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NBS

Technical Note No. 18-4

Boulder Laboratories

QUARTERLY RADIO NOISE DATA - SEPTEMBER, OCTOBER, NOVEMBER 1959

BY W. Q. CRICHLOW, R. D. DISNEY, AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

Technical Note

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by

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

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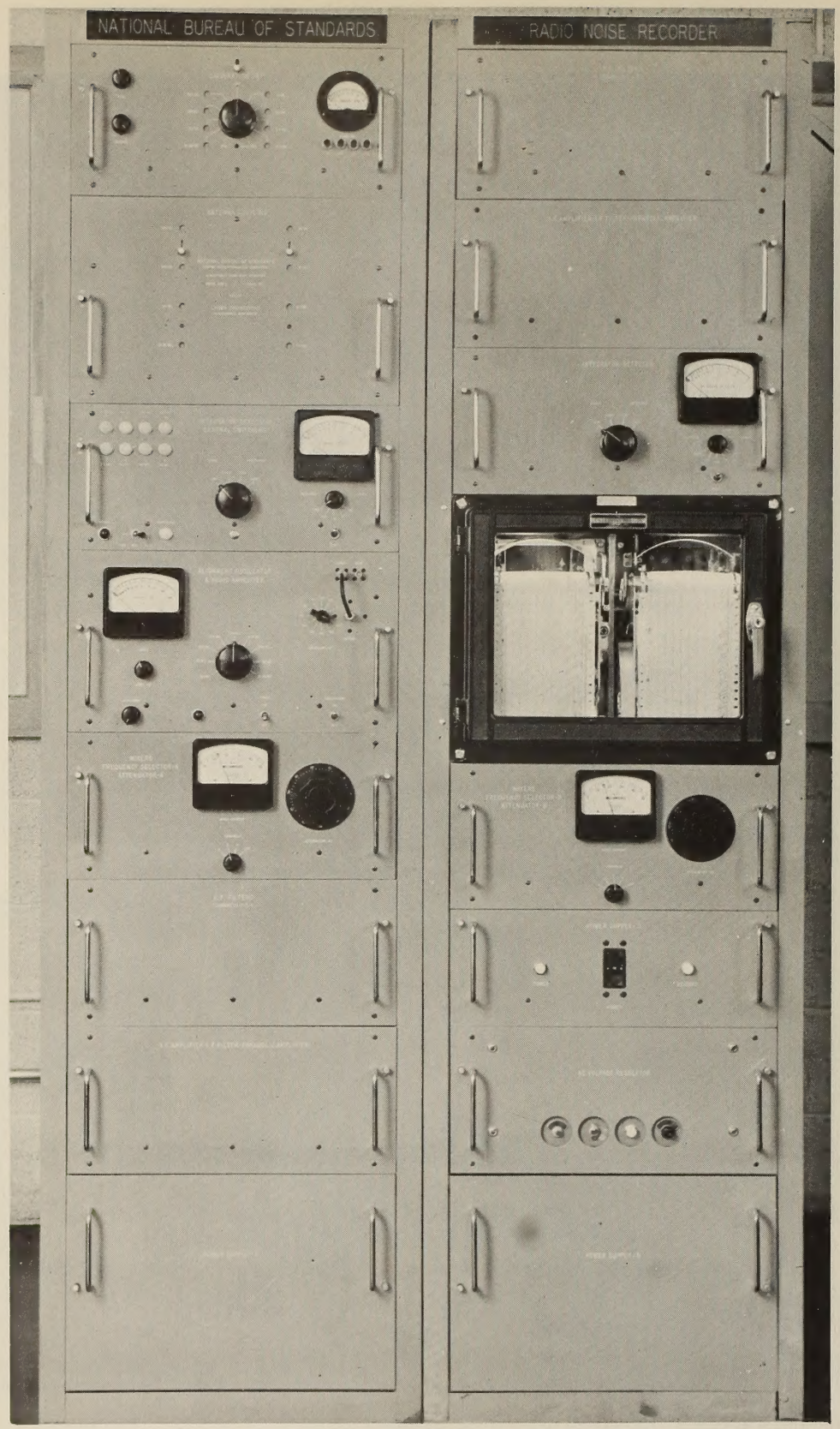
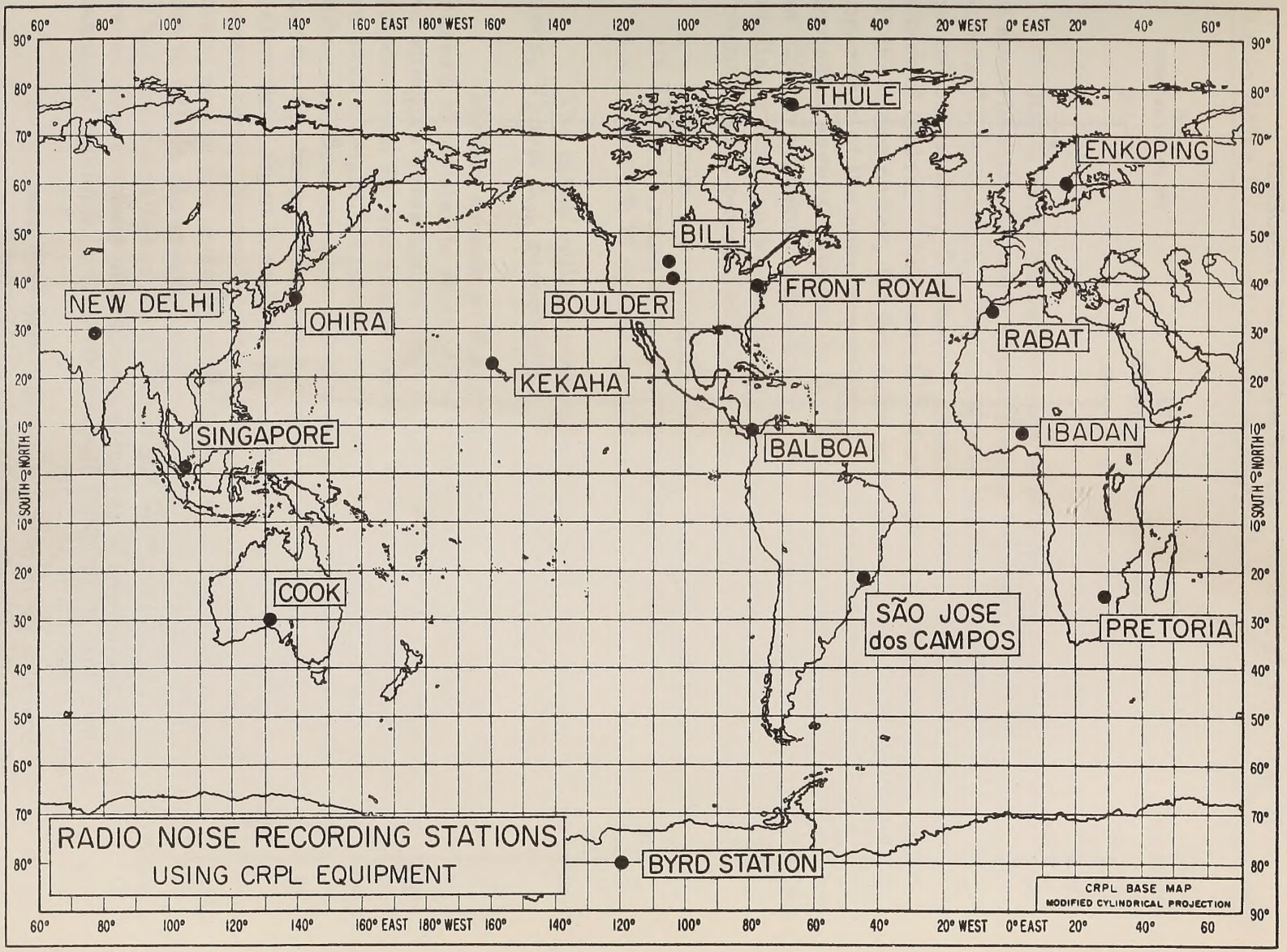
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder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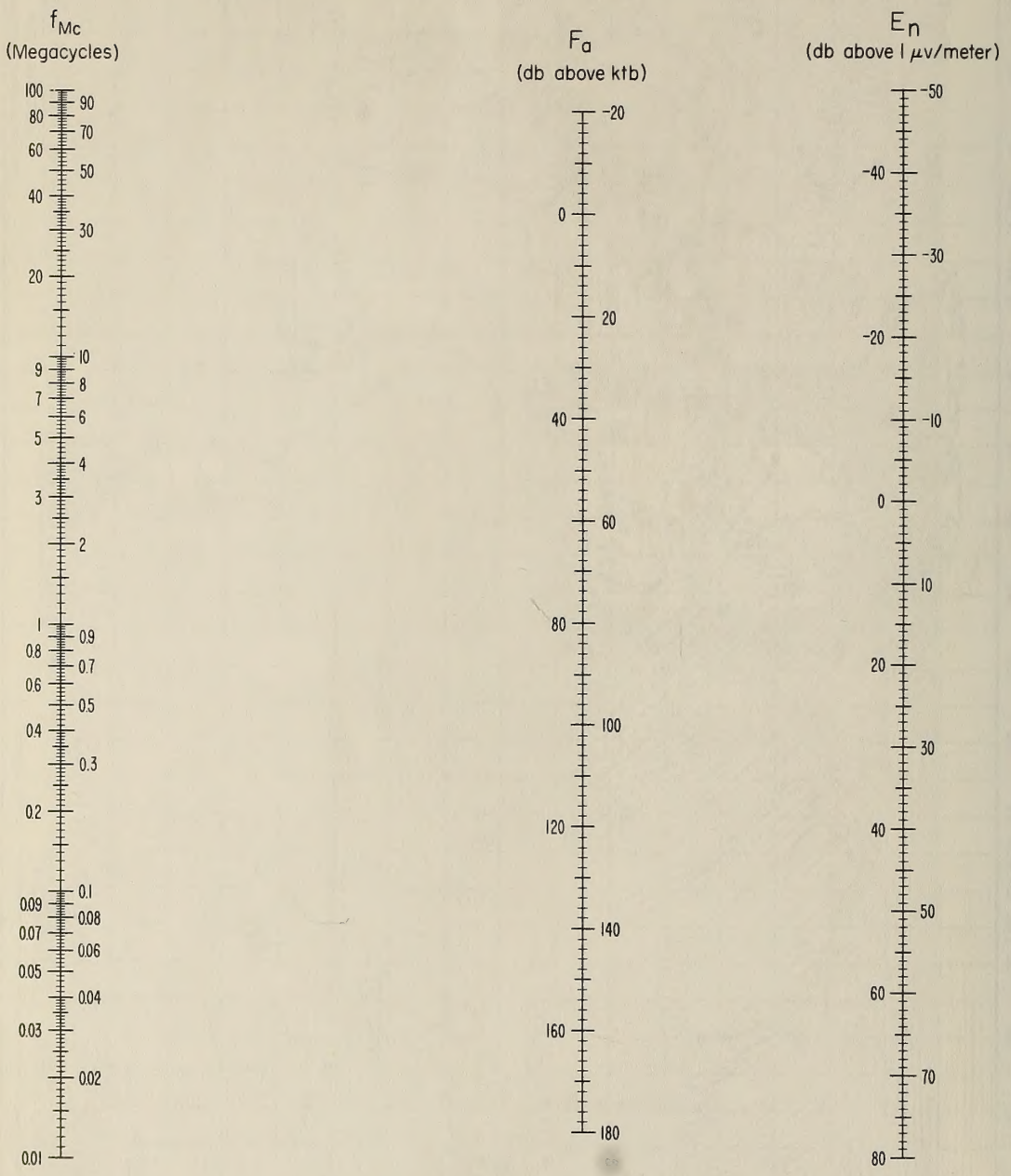
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season September, October, November 1959

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period September, October, November 1959 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38×10^{-23} joules per degree Kelvin)
t = Absolute room temperature (taken as 288° K)
b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d, respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 cycles per second and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [10], contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).

4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).

5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).

6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V.L.F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.

7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).

8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D,2, 199 (1959).

10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D,1, 49 (1960).

11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D,1, 41 (1960).

Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	Sept. Oct. Nov. 1959	75 W	+05
Bill	Sept. Oct. Nov. 1959	105 W	+07
Boulder	Sept. Oct. Nov. 1959	105 W	+07
Byrd Station	Sept. Nov. 1959	120 W	+08
Cook	Sept. Oct. Nov. 1959	135 E	-09
Enkoping	Sept. Oct. Nov. 1959	15 E	-01
Front Royal	Sept. Oct. Nov. 1959	75 W	+05
Kekaha	Sept. Oct. Nov. 1959	150 W	+10
Ohira	Sept. Oct. Nov. 1959	135 E	-09
Pretoria	Sept. Oct. Nov. 1959	30 E	-02
Rabat	Oct. Nov. 1959	GMT	0
São José dos Campos	Sept. Oct. Nov. 1959	45 W	+03
Singapore	Sept. Oct. Nov. 1959	105 E	-07
Thule	Sept. 1959	75 W	+05

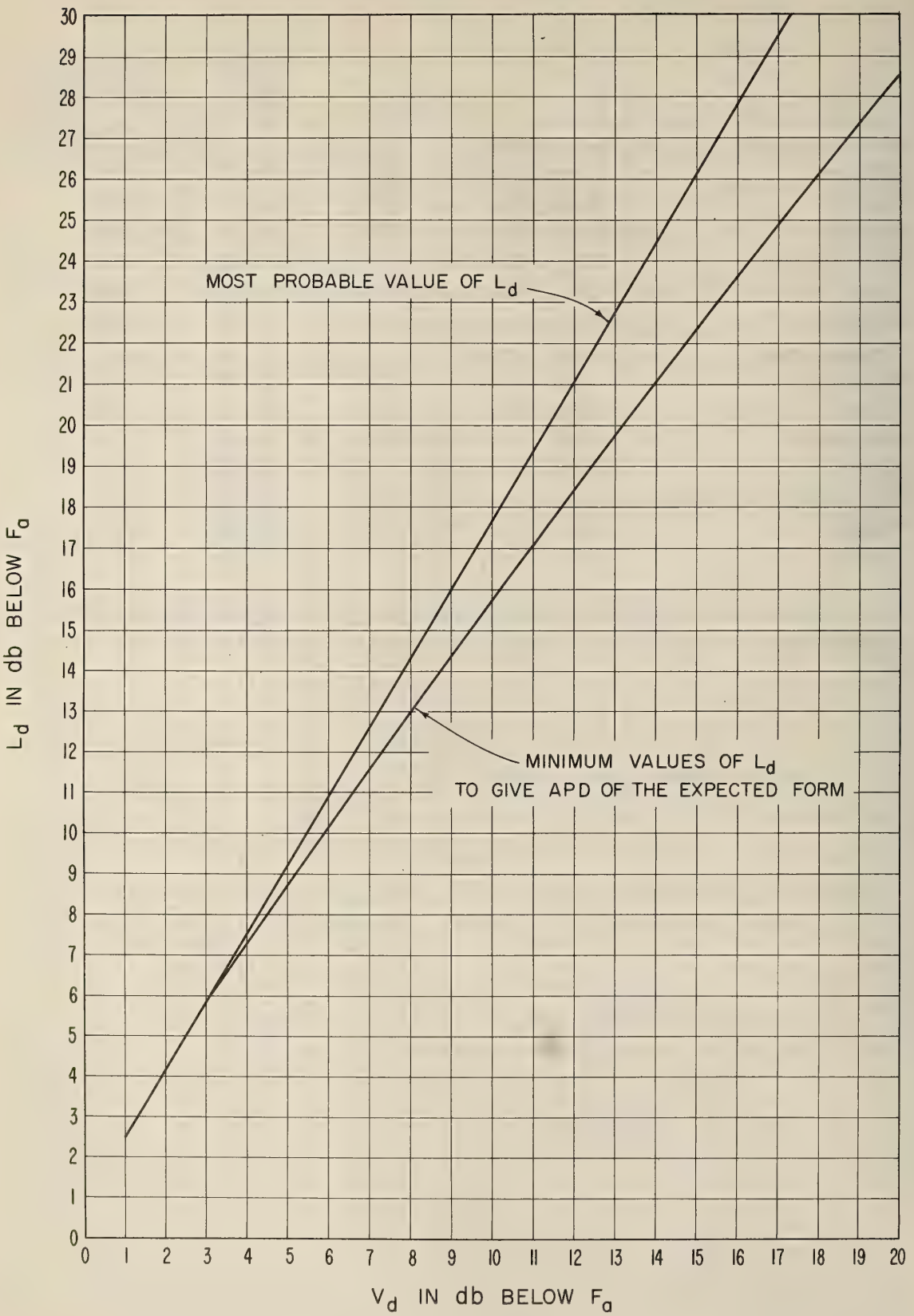
Previous data from the NBS World Wide Network have been published in the following Technical Note 18 series:

18-1 July 1, 1957 - December 31, 1958

18-2 March, April, May 1959

18-3 June, July, August 1959

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month September 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246										2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}^{*}	L_{dm}^{*}
00	144	5	3	9.5	16.0	130	6	2	9.0	15.0	116	5	7	7.0	12.5						67	6	6	5.0	10.0	62	2	9	*5.0	*8.5	48	3	6	5.5	9.0	31			6.0	9.0
01	145	4	6	10.0	16.5	132	5	5	8.5	14.5	117	5	7	8.0	14.0						69	5	7	4.5	9.5	62	2	7	5.0	9.0	46	4	3	*5.5	*9.0	29			3.0	7.0
02	147	4	6	10.5	18.0	134	4	7	9.5	15.0	117	7	7	10.0	16.0						71	4	8	5.0	10.0	62	2	7	4.0	8.0	46	2	5	6.0	10.0	27			6.5	9.5
03	147	4	4	10.5	18.0	135	3	6	9.0	15.5	118	5	8	10.5	17.5						71	4	6	5.5	10.5	62	2	7	6.0	10.0	44	4	4	*4.0	*8.0	28			4.0	6.0
04	147	4	4	11.5	19.0	136	4	9	10.0	16.5	119	6	8	10.5	18.0						71	4	8	6.5	12.0	60	4	7	5.0	8.5	44	2	6	*4.5	*8.0	28			8.0	11.5
05	147	6	8	12.0	21.0	135	5	7	11.0	18.5	119	6	10	12.5	22.0						69	5	5	6.0	11.5	60	3	5	5.0	9.0	44	4	6	*5.5	*9.0	28			6.0	9.5
06	146	9	9	16.5	25.0	134	6	11	16.0	26.0	117	9	15	16.5	28.0						63	10	7	9.0	16.5	56	6	7	7.5	12.0	44	5	5	6.5	11.0	30			6.0	9.0
07	147	6	8	17.0	26.5	134	6	11	17.0	29.0	119	6	17	16.5	29.0						57	16	16	*11.0	*20.0	50	15	15	*10.0	*18.0	40	8	6	7.5	12.0	30			5.0	8.0
08	145	9	12	18.0	28.5	132	6	12	18.0	28.5	115	8	14	16.0	29.0						47	30	18	*7.5	*16.0	43	18	11	*10.5	*20.0	37	7	9	9.0	15.0	29			5.0	7.5
09	143	8	12	16.5	27.0	130	8	16	17.5	28.0	113	9	21	16.0	27.0						48	31	23	*11.0	*20.5	42	14	20	*9.5	*16.0	34	8	10	*8.5	*14.0	26			5.5	9.0
10	143	6	10	15.0	25.0	128	8	16	18.0	29.5	111	12	18	16.0	28.0						48	15	19	*13.5	*21.0	37	19	15	*9.5	*18.0	34	10	12	*9.0	*16.5	24			6.0	10.0
11	143	6	10	16.0	24.5	130	6	20	18.0	27.0	113	9	26	14.0	26.5						47	16	20	*11.5	*23.5	40	14	24	*12.5	*21.0	32	9	11	11.0	17.0	24			3.5	6.5
12	139	10	6	12.0	20.0	128	9	14	16.0	26.0	112	11	10	13.5	26.0						47	23	18	*12.0	*20.0	34	28	15	*11.0	*20.5	34	10	11	10.5	17.5	28			8.0	12.0
13	143	10	8	14.0	21.5	131	12	9	16.0	26.0	117	12	11	15.5	27.5						53	20	22	*13.0	*21.0	46	16	21	*12.5	*19.0	36	14	9	9.5	15.0	24			7.0	12.5
14	144	14	5	12.5	19.0	132	11	8	13.0	21.5	119	11	13	14.0	25.0						57	24	15	*14.0	*24.0	50	22	16	*10.0	*19.0	38	16	6	*8.0	*13.0	33			5.5	9.0
15	145	10	8	10.0	15.0	132	8	12	13.0	22.5	118	8	15	13.0	24.0						59	21	24	*11.5	*21.0	48	20	15	*17.0	*24.5	38	10	6	*8.0	*13.5	34			4.0	7.0
16	144	7	7	10.5	16.0	131	7	10	12.5	19.0	113	11	10	14.0	24.5						55	16	17	*13.0	*21.0	46	14	10	*9.5	*16.0	42	5	8	7.0	11.0	34			3.5	6.5
17	141	8	4	10.5	15.5	128	9	8	12.0	21.0	110	12	8	11.5	20.0						52	12	11	*9.5	*14.0	50	10	8	6.0	9.5	44	7	5	4.5	8.0	34				
18	143	5	8	10.0	15.5	126	10	6	7.5	14.0	109	10	6	8.5	15.0						59	6	8	5.0	8.5	56	7	7	4.5	8.0	46	3	5	4.5	8.0	34			4.0	7.0
19	141	4	2	8.0	14.0	126	8	2	7.0	12.0	111	7	5	6.0	11.0						65	6	11	5.0	8.5	60	3	7	5.0	8.0	48	2	6	5.5	9.5	32			3.5	6.0
20	143	4	4	10.0	16.0	128	8	5	7.5	13.0	111	8	3	7.0	12.0						66	5	8	5.0	8.5	60	4	7	4.0	7.0	46	3	4	6.0	9.5	30			4.0	6.0
21	143	4	4	9.5	15.5	128	6	3	7.5	12.0	113	5	4	7.0	12.0						65	5	8	5.0	9.5	62	2	9	3.0	5.0	46	2	3	*5.0	*7.5	30			3.5	6.0
22	145	2	8	8.5	15.0	130	5	5	7.5	12.0	113	7	3	7.0	12.5						65	8	6	5.5	9.0	60	4	5	4.5	8.0	46	3	3	5.0	8.0	32			4.5	7.0
23	145	3	6	9.5	15.0	130	5	4	8.0	13.5	115	4	4	7.0	12.5						67	6	6	5.0	9.5	61	3	7	5.0	8.5	47	3	4	6.0	10.0	28			4.0	7.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N. Long. 79.5 W Month October 1959

Frequency (Mc)

Hour (LST)	.051					.113					.246										2.5					5					10									
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	143	4	4	11.5	20.0	129	6	2	8.0	13.0	115	3	4	8.0	15.0						69	4	5	6.0	12.0	61	3	4	5.5	10.0	46	2	4	6.5	10.5					
01	143	4	4	10.0	18.0	131	4	4	8.5	14.0	113	6	2	7.5	14.0						71	3	6	6.0	12.0	63	2	4	6.0	10.5	44	4	4	*5.0	*9.0					
02	143	7	4	12.0	20.0	131	6	5	9.0	15.0	113	8	4	7.5	14.0						71	4	4	6.5	12.0	61	4	2	6.0	10.5	42	4	5	*6.0	*9.5					
03	143	4	4	11.0	18.0	131	6	6	9.0	15.0	111	7	4	8.0	14.5						73	2	5	6.0	12.0	61	2	4	6.5	12.0	40	3	5	4.5	8.0					
04	143	7	5	13.0	20.5	129	8	5	9.0	16.0	111	7	5	10.5	18.0						71	4	4	6.0	13.0	59	6	4	7.0	12.0	38	6	8	3.5	7.0					
05	141	7	5	13.5	22.0	129	7	9	10.0	16.0	109	10	10	14.0	24.0						71	4	5	7.0	15.0	59	4	3	7.0	11.0	36	6	6	5.0	8.0					
06	139	9	8	14.0	23.0	123	14	13	17.0	28.0	105	13	20	17.0	29.0						61	6	7	10.0	19.0	55	4	7	8.0	13.5	42	4	2	4.5	9.0					
07	137	10	10	15.0	24.0	123	12	18	*18.5	*29.0	105	12	24	*17.0	*29.0						51	12	13	*13.0	*21.0	45	8	6	12.0	20.0	40	4	4	8.0	12.0					
08	134	15	11	16.0	26.0	121	17	16	*17.5	*28.0	102	17	19	14.5	26.0						43	16	16	*12.0	*20.0	39	11	10	11.5	19.0	34	7	6	*11.0	*18.0					
09	133	14	9	17.0	28.0	119	17	15	*15.5	*26.0	98	21	14	*15.0	*25.0						34	26	11	*10.5	*20.0	35	13	12	*12.0	*22.0	32	6	8	9.0	15.0					
10	133	15	7	16.5	26.5	118	18	14	*17.5	*29.0	97	25	12	17.0	26.0						32	29	10	*7.5	*12.5	29	19	10	*10.0	*12.5	29	13	9	9.5	15.5					
11	135	10	6	14.0	24.0	123	15	16	16.5	27.0	100	22	15	*12.0	*23.5						33	32	10	*10.0	*14.0	31	23	14	*8.0	*11.0	30	10	10	*12.5	*18.5					
12	139	12	8	14.5	22.5	123	19	13	*15.5	*25.0	109	18	20	13.0	22.5						38	33	15	*6.0	*12.0	31	32	10	*8.5	*14.0	32	16	8	*9.5	*14.5					
13	139	16	6	13.5	21.0	127	16	16	*14.5	*24.0	114	15	22	13.5	24.0						51	28	24	*8.5	*15.0	43	25	18	*13.0	*23.0	35	17	7	*9.0	*15.0					
14	142	12	6	*11.0	*18.0	129	14	15	13.0	22.0	109	18	14	*14.0	*23.0						54	25	25	*14.0	*24.5	44	21	13	*12.0	*22.0	38	10	8	*9.0	*14.0					
15	141	12	4	12.0	20.0	127	12	9	13.5	22.5	109	16	12	*12.0	*21.5						51	24	20	*10.0	*17.0	43	19	9	*8.5	*13.0	38	9	3	*6.5	*11.5					
16	141	6	6	11.0	18.0	127	10	9	15.0	24.0	105	14	9	*13.5	*24.0						47	20	16	*10.5	*19.0	47	10	8	7.5	13.0	42	5	4	5.5	9.0					
17	139	6	5	11.5	19.0	125	6	9	*15.0	*24.5	103	14	10	13.0	21.0						53	13	10	*8.5	*13.0	55	4	6	6.0	10.0	44	4	2	6.5	10.0					
18	137	8	4	11.0	19.0	125	7	6	10.0	16.5	107	7	4	8.0	14.5						65	3	8	7.0	11.5	61	2	5	4.5	8.0	46	2	2	5.0	8.5					
19	141	4	4	10.5	17.5	127	4	5	8.0	14.0	111	4	5	6.5	12.5						67	4	5	6.0	11.0	61	2	4	5.0	9.0	46	2	2	6.0	9.0					
20	141	4	4	9.5	17.0	128	4	6	7.0	12.0	112	3	4	6.5	11.5						69	2	9	5.5	10.5	61	3	4	4.0	7.5	46	2	4	5.0	9.0					
21	143	2	6	9.0	16.0	129	4	5	7.5	13.5	113	4	4	7.0	12.5						69	2	6	5.5	10.0	61	4	3	5.0	8.0	46	0	3	*6.0	*10.0					
22	143	3	5	10.5	18.5	129	4	4	9.0	16.0	113	4	2	7.5	14.5						69	2	6	5.5	10.5	61	2	4	*6.0	*10.0	46	2	4	6.0	9.5					
23	143	4	5	11.0	19.0	129	4	2	9.0	16.0	113	3	2	8.0	14.5						69	4	5	6.5	12.0	61	4	2	5.5	10.0	46	3	4	*5.5	*9.0					

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month November 19 59

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246										2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	135	15	6	13.0	22.0	124	14	7	9.0	14.0	111	10	6	9.0	17.0						63	8	7	6.0	11.0	58	4	8	5.5	10.0	41	4	4	5.0	8.5	*25			*4.0	*6.0
01	137	12	6	11.5	18.0	126	10	7	9.0	14.0	111	7	6	*7.5	*14.0						66	6	9	7.5	13.5	58	4	4	6.5	11.0	41	4	6	4.0	8.0	*23			*2.5	*4.0
02	137	14	7	11.0	20.5	126	11	8	10.0	15.0	113	5	10	8.0	16.5						65	8	7	7.5	13.5	58	5	5	5.0	9.0	38	7	4	5.5	8.0	*23			*3.0	*4.5
03	139	10	10	13.0	21.0	126	9	8	10.0	15.0	111	6	7	9.5	18.0						67	6	8	6.5	12.5	58	2	6	6.5	11.5	37	4	4	4.5	7.0	*23			*1.5	*3.0
04	139	10	8	12.5	18.0	126	6	9	9.0	14.0	108	8	8	10.0	19.5						65	8	6	7.5	14.0	56	4	5	7.5	11.5	36	4	5	*4.0	*6.5	*23			*2.0	*3.5
05	139	6	10	11.0	18.0	124	8	8	*11.0	*14.5	107	5	15	*13.0	*21.0						65	7	8	9.0	17.0	56	4	4	6.5	10.5	36	7	5	5.5	8.5	*23			*1.5	*3.0
06	133	8	8	13.0	20.5	116	10	15	*18.0	*27.0	91	15	13	*18.0	*>30.0						56	5	7			52	4	5	*7.0	12.0	41	6	4	4.0	7.5	*27			*3.0	*5.0
07	129	8	6	12.5	19.0	106	22	18	*11.5	*16.5	85	26	8	*13.0	*>23.0						45	7	17	*14.5	*20.0	42	7	10	*9.5	*15.0	36	7	6	5.0	9.0	*25			*4.0	*6.0
08	129	12	12	*14.0	*24.0	108	22	20	*11.0	*15.0	89	24	10	*13.0	*23.0						34	19	10	*9.5	*14.0	34	14	10	*9.0	*13.0	31	7	8	8.5	12.5	*23			*3.0	*4.5
09	127	15	11	16.0	26.0	104	22	14	12.0	19.5	87	26	4	*8.0	*18.0						33	13	12	*7.0	*13.0	26	14	8	*9.0	*13.0	29	4	12	*7.0	*10.0	*25			*4.5	*6.5
10	128	13	11	14.0	23.5	108	18	16	*10.0	*17.5	87	27	4	*8.0	*18.0						27	17	6	*9.5	*11.5	24	16	6	*6.5	*9.0	25	8	10	*8.5	*14.0	*23				
11	131	12	12	12.0	19.0	109	18	14	13.0	21.0	91	29	6	*8.5	*18.0						27	34	6	*3.5	*7.0	24	26	8	*3.5	*5.5	23	16	8	*12.5	*18.5	*23			*3.5	*5.0
12	131	14	8	13.0	22.0	116	20	16	*13.5	*17.5	93	28	8	*8.5	*17.5						28	30	7	*6.5	*11.5	28	30	12	*3.0	*5.0	25	16	8	*8.0	*13.5	*25			*3.5	*6.0
13	135	15	8	*11.0	*19.0	122	17	20	17.0	25.0	103	16	18	17.0	25.5						33	46	12	*7.0	*9.5	32	32	14	*7.5	*5.5	29	13	13	*12.0	*18.0	27	6	6	*4.0	*6.0
14	139	11	13	13.5	21.0	123	17	20	16.0	26.0	109	17	21	*13.0	*21.0						45	33	22	*12.0	*21.0	38	24	18	*9.0	*13.5	35	13	10	*7.0	*13.0	29	2	4	*3.5	*6.0
15	139	12	11	11.0	19.5	126	14	22	18.0	27.5	105	20	19	*9.0	*18.5						47	36	21	14.5	25.5	40	27	14	*9.5	*17.5	35	16	5	*8.5	*14.5	29	6	4	*4.0	*6.5
16	138	9	10	13.5	20.0	124	11	19	16.0	25.5	105	18	16	11.5	21.0						45	23	15	12.5	22.0	43	11	9	*8.0	*13.0	39	9	3	5.5	9.0	29	4	2	4.0	6.5
17	135	9	9	13.0	19.0	117	16	15	*13.0	*19.0	100	19	10	8.0	15.0						49	12	10	*9.0	*18.0	52	4	5	*6.0	*10.5	43	10	4	4.5	7.5	29	4	2	4.0	6.0
18	137	7	11	14.0	22.0	122	10	8	8.5	14.0	107	13	8	10.0	17.0						59	4	10	7.5	14.0	58	2	6	6.5	10.0	45	3	5	5.0	8.0	29	4	4	*5.0	*6.0
19	139	5	9	9.5	17.5	124	7	7	9.5	14.5	109	4	8	8.0	14.5						62	5	3	8.0	13.5	58	4	5	5.5	8.0	45	5	4	4.0	7.5	27	4	2	*4.0	*6.0
20	137	6	7	11.5	19.0	122	9	6	8.5	14.0	108	7	6	7.0	14.0						63	4	6	7.0	11.5	58	6	4	5.0	8.0	43	4	4	5.0	9.0	27	4	4	*4.0	*6.5
21	137	8	9	11.0	18.0	122	8	7	8.5	15.5	109	7	6	8.5	15.0						63	5	6	7.5	12.5	58	6	3	4.5	8.0	43	4	6	4.5	7.5	25	6	2	3.5	5.5
22	137	8	7	12.0	19.0	124	8	8	8.5	15.0	109	8	7	7.5	13.5						63	6	6	9.0	15.0	58	4	6	6.0	10.0	43	4	5	4.5	7.5	25	2	2	3.5	5.5
23	136	13	7	12.0	20.5	124	12	8	9.0	13.0	111	6	7	9.0	15.5						63	7	6	8.0	14.0	58	4	6	6.0	10.0	43	3	5	4.5	7.5	25	2	4	*3.0	*5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month September 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	*134					117	8	2			101	8	4			89	6	4			65					57					38					22				
01	134	6	2			119	8	2			103	8	6			91	4	4			68					57					37					22				
02	136	6	6			121	8	6			103	10	6			91	10	6			69					57					38					22				
03	134	8	4			121	10	8			103	14	6			89	14	2			68					56					36					22				
04	132	8	6			119	10	6			103	10	8			85	8	6			66					55					35					22				
05	130	6	8			111	12	6			87	18	8			69	10	12			59					51					33					23				
06	*128					*107					*84					*69					37					37					32					26				
07	*126					*105					*85					*68					27					27					26					26				
08	*124					*105					*82					*68					25					25					24					26				
09	*128					*101					*80					*62					25					21					22					26				
10	*129					*103					*81					*69					23					18					21					25				
11	*128					*110					*91					*69					21					19					20					26				
12	*131					*110					*87					*71					23					19					23					29				
13	*132					*109					*90					*71					21					20					22					28				
14	*132					*110					*91					*71					21					25					26					30				
15	*132					*113					*94					*73					27					25					30					30				
16	*132					*114					*97					*73					25					31					32					30				
17	*133					*113					*97					*72					32					37					36					30				
18	*134					*113					*95					*73					47					49					40					30				
19	*134					*117					*102					*82					63					55					40					30				
20	*136					*119					*101					*86					63					55					40					26				
21	*136					*117					*101					*86					64					54					38					24				
22	*135					*118					*101					*88					65					55					38					24				
23	*136					*118					*103					*91					63					55					38					23				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month October 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}
00	130					115					101					89					59					55					36					25				
01	130					115					101					87					63					57					36					25				
02	130					115					99					81					59					57					36					25				
03	128					115					97					83					61					53					36					25				
04	128					113					93					77					61					53					36					25				
05	124					103					85					61					63					53					34					25				
06	124					97					77					53					57					49					36					25				
07	118					95					77					49					61					47					38					25				
08	114					94					82					49					57					43					36					27				
09	114					89					81					55					49					29					28					27				
10	116					93					77					51					41					27					24					27				
11	116					87					77					51					29					29					22					29				
12	116					89					79					53					27					25					22					31				
13	120					89					85					59					27					25					24					31				
14	122					102					86					59					28					27					24					31				
15	122					107					89					65					29					29					30					31				
16	120					107					87					69					35					31					34					33				
17	123					107					92					75					45					41					33					32				
18	126					114					97					79					51					43					36					31				
19	127					114					96					83					55					44					36					31				
20	130					115					99					85					55					45					36					29				
21	128					115					99					85					55					48					38					26				
22	128					115					99					85					56					52					38					25				
23	130					115					101					85					60					54					38					25				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month November 1959

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}
00	126					114					96					83					55					51					34					25				
01	124					112					93					83					53					52					36					24				
02	126					112					92					82					53					55					34					24				
03	124					109					88					79					53					53					33					24				
04	122					110					86					72					51					51					30					24				
05	122					103					82					65					47					49					32					26				
06	118					98					82					62					47					49					32					28				
07	112					92					78					60					33					41					30					30				
08	108					92					78					58					31					31					28					32				
09	109					90					78					59					29					31					26					32				
10	114					92					80					57					32					29					24					32				
11	134					132					82					70					35					35					32					34				
12	107					90					80					51					33					29					30					33				
13	106					93					76					55					31					29					30					32				
14	106					92					78					54					31					29					32					32				
15	106					96					76					56					31					32					33					34				
16	108					96					80					56					38					37					37					34				
17	118					106					80					59					45					45					36					33				
18	122					110					87					65					49					49					38					31				
19	122					112					88					70					51					51					40					26				
20	123					110					90					75					53					49					36					26				
21	124					110					90					79					55					49					34					25				
22	123					110					94					82					54					51					36					25				
23	126					112					92					82					55					49					36					24				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month September 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	163	3	2	10.5	17.5	138	6	4	7.5	13.5	116	7	8	6.5	11.0	94	7	7	5.5	10.5	67	8	4	*4.0	*9.0	60	4	4	4.0	8.0	48	2	4	*2.5	*5.0	30	4	2	*1.5	*3.0
01	162	3	1	9.0	16.0	138	4	4	7.5	13.0	114	10	6	6.5	12.5	94	7	7	5.5	11.0	69	6	4	*5.0	*10.0	60	4	4	*4.0	*8.0	48	4	4	*4.5	*8.0	30	4	4	*3.0	*5.0
02	161	4	2	10.0	17.5	138	4	5	7.5	14.0	116	8	6	7.0	13.0	93	8	5	6.5	12.5	*68			*5.0	*10.5	58	6	2	*3.0	*8.0	46	4	4	*4.5	*7.0	*30			*4.0	*6.5
03	161	4	2	10.5	18.0	136	6	3	9.0	15.0	115	8	5	7.0	14.0	94	7	6	6.0	13.0	69	10	4	*6.0	*12.0	58	4	2	*4.0	*8.5	46	4	2	*6.0	*9.0	30	2	2	*1.5	*3.5
04	161	2	3	10.5	18.0	136	5	4	9.5	16.5	112	8	5	8.0	16.5	87	8	6	9.0	14.5	69	8	4	5.5	12.0	56	8	2	5.5	10.0	44	2	2	*4.0	*7.5	30	2	4	*1.0	*2.5
05	159	4	3	10.5	18.0	132	4	6	10.0	18.0	103	12	17	11.5	22.0	67	17	7	3.0	7.0	61	8	6	5.5	*10.5	54	6	4	*5.0	*9.0	42	4	2	*4.5	*8.0	32	2	4	*2.0	*3.0
06	159	4	2	11.0	19.0	129	5	5	11.5	19.5	100	13	21	10.0	15.5	65	17	4	3.0	6.0	49	8	6	*2.0	*5.0	44	6	6	*4.5	*8.0	*40			*2.0	*4.5	32	4	2	*3.0	*5.0
07	159	3	4	12.0	20.0	128	5	8	11.0	20.0	100	12	21	9.5	17.0	65	18	6	2.5	5.0	49	2	6	*1.5	*3.5	40	4	6	2.0	4.0	*37			*4.5	*6.5	*32			*2.0	*4.0
08	157	5	2	13.5	21.0	124	8	5	12.5	21.5	92	21	15	*9.5	*18.0	65	20	6	*9.5	*17.0	*45			*2.5	*4.0	*38			*1.5	*3.0	*33			*5.5	*10.0	*32			*2.0	*3.5
09	159	5	2	13.0	20.0	129	5	7	12.0	21.0	102	10	19	11.0	19.0	63	18	4	2.5	5.0	*49			*1.5	*3.0	*40			*2.0	*3.5	*34			*4.0	*6.0	*34			*3.0	*5.0
10	161	2	4	13.0	20.0	130	4	8	12.5	20.5	98	12	16	11.0	18.5	65	19	6	3.0	5.0	*47			*1.0	*2.5	*40			*2.0	*3.5	*32			*2.5	*4.5	*34			*3.0	*4.5
11	161	4	4	11.0	17.5	130	6	9	10.0	17.5	98	15	11	*10.0	*17.0	65	22	6	4.5	6.5	*49			*1.5	*3.0	*40			*2.0	*3.5	*32			*3.0	*5.0	36	2	6	*2.0	*4.0
12	162	5	4	11.5	15.0	132	5	6	7.5	13.0	104	10	12	8.0	14.0	71	26	10	3.5	6.0	49	2	8	*1.0	*3.0	40	2	10	*1.5	*3.5	*35			*5.0	*8.0	38	8	6	*3.0	*5.5
13	163	4	2	8.0	14.0	134	4	8	7.0	13.0	104	12	11	*7.0	*13.0	71	24	10	4.0	6.0	*49			*1.0	*2.0	*40			*1.0	*3.0	36	6	14	*4.0	*7.5	37	7	3	*2.0	*4.0
14	163	4	2	8.0	14.5	134	4	6	6.0	12.0	105	14	11	7.5	14.0	72	16	8	4.5	7.5	49	4	10	*1.5	*3.0	40	4	6	*2.0	*3.5	38	6	4	2.5	6.0	38	8	4	*3.0	*5.0
15	164	3	3	8.0	14.0	134	4	4	6.0	11.0	110	8	9	6.0	12.0	77	20	13	4.0	8.0	49	12	8	*2.0	*3.5	41	9	7	*2.5	*5.0	44	4	4	*4.0	*8.0	38	8	4	2.5	5.0
16	165	2	4	7.0	13.0	136	6	6	6.0	11.0	110	13	19	8.0	13.0	79	22	16	3.0	5.0	49	14	4	*2.0	*4.0	44	4	4	3.0	5.0	46	4	4	*3.5	*7.0	40	8	6	3.0	5.0
17	163	6	4	7.5	13.0	136	5	7	7.0	12.0	110	12	21	5.0	10.0	76	21	13	3.0	5.5	51	8	4	*2.0	*3.5	48	8	2	3.5	6.5	50	2	4	*4.0	*7.0	40	4	4	*2.0	*4.0
18	163	6	4	9.0	15.0	136	8	6	6.0	11.0	114	10	11	6.5	12.0	89	9	13	7.0	11.0	61	8	8	3.5	7.5	58	4	4	*3.0	*7.0	52	2	2	*2.5	*5.0	36	6	2	*3.5	*7.0
19	163	5	2	8.0	14.0	138	8	6	7.0	12.0	114	11	5	7.0	11.5	91	6	8	6.0	11.0	69	2	6	3.0	7.5	60	4	4	*4.5	*8.5	50	6	2	*3.0	*5.5	34	4	4	2.5	4.0
20	163	5	2	9.5	16.0	138	7	5	6.5	11.5	114	11	4	5.5	10.5	93	6	6	5.5	10.5	67	6	6	5.0	9.0	60	4	4	*5.0	*9.0	*49			*4.0	*7.0	32	4	2	*2.0	*3.5
21	163	4	2	9.5	16.0	136	7	2	7.0	13.0	114	8	6	6.5	12.0	93	6	6	5.5	10.5	69	2	6	4.5	9.0	58	4	2	4.0	8.0	48	4	2	*3.0	*6.5	32	2	4	1.0	3.0
22	163	4	2	9.5	16.5	138	6	4	7.5	13.0	115	7	7	6.5	12.0	94	7	6	6.0	11.0	67	4	4	*3.5	*7.5	58	4	2	*4.0	*7.5	50	4	4	*4.0	*8.0	30	4	2	1.5	3.0
23	163	2	2	9.0	16.0	139	4	6	7.5	14.0	116	7	8	6.5	16.5	95	6	7	6.0	11.0	67	4	4	*3.5	*7.5	60	2	2	*3.0	*6.0	48	2	4	*2.5	*5.5	30	4	4	*2.0	*3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month October 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	8	4	12.0	19.5	132	8	6	11.0	17.5	109	9	8	9.0	17.0	88	12	8	7.0	13.0	60	4	6	5.0	9.5	57	7	4	4.5	9.0	47	4	4	*3.0	*7.0	24	0	2	1.5	3.5
01	157	8	2	11.0	18.0	130	9	7	10.5	18.0	108	8	7	9.5	17.0	86	10	6	8.0	15.0	60	4	6	5.0	9.0	57	8	5	5.0	9.0	47	4	2	*4.0	*7.5	24	0	2	2.0	3.5
02	157	5	4	11.5	18.5	130	8	6	11.0	18.5	106	9	6	9.0	17.0	83	11	6	9.0	16.0	58	6	5	5.0	9.0	55	8	4	5.0	10.0	47	3	4	*5.0	*10.0	22	2	0	*2.0	*3.5
03	157	6	4	12.5	20.0	130	7	6	11.0	18.5	104	10	4	10.5	19.0	80	13	6	10.0	17.5	58	5	6	5.0	10.0	55	9	4	4.5	9.0	47	2	4	*5.0	*9.0	22	2	0	*1.5	*3.5
04	157	6	4	12.0	20.0	126	11	5	11.0	19.0	102	10	12	14.0	22.0	76	14	10	9.0	14.5	56	6	5	5.0	10.5	55	9	6	5.0	10.0	45	4	6	*3.5	*6.5	24	0	2	1.5	3.5
05	155	7	4	12.0	19.5	122	10	6	11.0	18.0	86	6	9	10.0	15.5	64	9	6	3.5	6.5	52	7	4	5.5	11.0	51	10	3	4.5	8.0	43	7	4	*5.0	*8.0	24	2	0	1.5	3.5
06	155	7	4	12.0	19.0	120	10	7	10.5	18.5	76	24	6	*7.0	10.0	62	6	4	3.0	5.0	48	8	2	2.5	5.0	47	8	4	3.5	7.5	43	5	4	3.0	7.0	28	2	2	3.0	5.0
07	153	7	3	13.0	20.0	118	12	7	12.0	20.5	74	28	4	4.0	8.0	62	6	4	3.0	6.0	46	6	3	*3.0	*5.5	41	4	4	2.5	6.0	39	6	4	3.0	6.0	28	3	1	2.0	4.5
08	153	7	5	13.0	19.5	118	12	10	12.5	20.5	76	23	6	*3.5	*6.5	62	7	5	*3.5	*6.0	46	4	4	*2.0	*4.0	41	2	6	2.0	5.0	35	7	6	2.5	5.5	28	3	2	2.5	4.5
09	*155			*13.0	*19.5	*116			*14.5	*22.0	76	22	6	*9.0	*12.5	62	5	6	*4.5	*8.5	46	4	4	1.5	3.5	*41			*2.0	*5.0	31	8	4	2.5	5.0	29	2	4	2.0	4.0
10	155	5	4	12.0	19.0	121	7	11	12.0	20.0	82	16	10	5.5	9.0	62	6	6	*3.0	*7.0	46	4	9	1.0	3.0	40	3	2	2.5	5.0	30	6	8	2.5	4.5	28	4	2	2.0	4.0
11	155	4	4	11.0	18.0	121	9	9	11.0	18.5	84	18	12	*7.5	*14.0	63	9	5	4.0	7.0	46	2	10	*1.5	*4.0	39	4	12	1.5	4.5	29	10	6	3.0	5.0	30	2	3	2.0	4.0
12	155	6	4	9.5	16.0	120	10	8	10.0	17.0	82	20	11	*8.0	*15.0	62	6	8	2.5	6.0	46	4	12	1.5	4.0	37	6	10	2.5	5.0	29	10	8	2.0	5.0	30	1	3	2.0	4.0
13	155	8	4	10.0	16.5	122	9	10	9.0	16.5	84	20	12	*9.5	*18.5	62	4	6	3.5	7.0	46	4	8	1.5	3.5	37	6	12	2.0	5.5	31	10	8	*4.5	*8.0	30	4	2	2.0	4.5
14	159	3	8	10.0	17.0	124	8	12	9.5	17.5	89	19	19	8.0	14.5	63	12	6	3.0	7.0	44	6	7	1.5	3.5	39	6	11	2.5	5.0	35	8	10	*3.0	*6.0	32	2	4	2.5	5.0
15	157	5	6	11.0	17.5	122	12	8	11.0	17.5	85	24	14	11.0	17.5	63	14	3	3.5	7.0	46	4	6	1.5	3.5	40	8	6	2.5	5.0	41	8	13	*5.0	*8.0	32	4	2	2.0	4.5
16	157	4	8	11.0	18.5	124	9	9	11.0	19.0	88	22	15	9.0	15.0	64	12	5	3.0	7.0	48	6	5	2.0	4.0	43	10	4	2.0	5.0	45	4	4	*4.0	*8.0	32	4	2	2.5	5.0
17	156	6	5	12.0	19.0	124	10	8	10.0	17.5	100	10	7	8.0	14.0	73	12	6	4.5	8.5	52	7	5	3.0	5.5	49	9	5	3.0	7.0	47	6	4	*4.5	*8.5	32	4	2	2.0	4.5
18	157	4	5	12.0	20.0	126	11	2	9.0	17.0	106	9	8	8.0	16.0	80	14	6	5.5	10.0	58	11	7	4.5	9.0	51	10	4	3.5	7.0	47	6	4	*7.0	*8.0	28	5	2	2.5	4.5
19	157	6	4	12.0	19.5	130	10	4	8.5	16.0	106	10	7	7.0	15.0	84	12	9	6.0	11.0	60	11	6	4.0	9.0	53	9	4	5.5	10.0	49	2	4	*3.5	*7.5	26	2	2	1.5	3.5
20	157	6	4	12.5	20.5	130	9	4	9.0	15.0	106	9	6	7.5	15.0	85	11	6	5.0	10.0	60	11	6	5.0	9.0	53	9	5	4.0	8.0	47	4	3	*4.0	*8.0	24	2	0	1.0	3.0
21	157	5	3	12.0	20.0	130	10	4	9.0	16.0	108	10	7	7.5	14.5	86	12	7	6.0	11.0	60	10	6	4.0	8.5	53	11	4	4.5	9.0	47	4	3	*5.0	*9.0	24	1	0	1.0	3.0
22	157	6	4	12.0	19.0	132	8	6	9.0	15.0	108	10	8	8.0	15.5	88	12	6	6.0	11.0	60	11	6	3.5	7.0	55	8	4	4.0	9.0	47	2	4	*5.0	*9.5	24	0	2	1.5	3.5
23	157	7	4	11.5	19.0	131	10	5	9.0	17.0	109	8	7	8.0	15.5	88	11	7	6.5	13.0	60	12	6	4.5	9.0	55	7	3	4.5	9.0	47	4	3	*7.0	*9.0	24	0	2	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month November 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	151	5	2	9.0	14.5	124	8	6	10.0	17.0	100	10	6	*7.5	*14.5	80	15	4	6.5	12.0	54	10	4	4.5	7.0	53	6	8	*3.0	*6.5	44	4	8	4.0	8.0	24	2	4	1.5	3.0
01	151	6	2	9.0	16.0	124	8	6	9.5	17.0	100	12	8	10.0	18.5	78	13	4	8.0	14.5	54	10	6	*3.5	*5.5	53	4	8	35	6.5	42	8	8	*3.5	*6.5	24	3	2	*1.5	*3.0
02	151	6	2	9.5	16.0	124	8	4	9.0	17.0	98	10	7	10.0	17.5	76	14	6	8.0	14.5	52	12	4	*3.5	*6.0	53	4	8	4.0	7.5	42	6	8	*2.0	*4.5	24	2	2	*1.0	*3.0
03	151	4	2	10.5	17.5	124	8	4	9.5	16.5	94	14	6	11.0	18.0	74	14	6	7.5	14.0	52	10	4	*3.5	*6.0	51	6	4	*4.0	*8.0	38	12	4	*3.0	*5.5	23	3	1	*1.0	*3.0
04	151	4	3	11.5	19.0	122	10	6	10.0	18.0	92	16	9	11.0	20.0	72	17	6	7.5	13.0	52	9	4	*3.0	*6.0	51	4	4	*5.0	*8.5	36	12	4	*3.0	*5.5	24	2	2	*1.5	*3.5
05	151	4	3	10.5	17.5	122	5	8	10.0	18.0	87	19	11	*10.0	*15.5	68	18	5	4.0	6.0	50	8	4	*8.0	*14.0	49	6	4	*4.0	*7.0	38	6	4	*3.0	*5.5	24	2	2	*1.0	*3.5
06	151	2	5	11.0	17.5	120	4	6	11.0	19.0	78	17	6	*7.0	*11.0	62	10	2	2.5	5.5	50	6	6	*2.0	*4.0	49	4	8	*3.0	*6.0	40	6	4	*2.0	*3.5	26	2	2	*1.0	*3.0
07	149	4	2	10.5	17.0	112	10	2	11.5	18.5	74	16	6	8.5	13.0	62	4	3	3.0	5.5	49	1	5	2.5	5.5	45	0	10	*3.0	*5.5	40	8	6	*2.5	*6.5	28	4	4	*1.5	*3.5
08	147	4	2	11.0	18.0	108	12	6	12.5	20.0	72	14	4	*9.0	*13.5	64	4	6	3.0	5.5	48	2	6	*2.5	*4.5	39	4	4	1.5	4.0	36	4	4	*2.0	*4.0	28	4	2	*1.5	*3.0
09	147	4	4	11.5	18.0	108	7	8	*12.0	19.5	71	14	5	*3.5	*8.0	62	6	5	3.0	6.5	47	2	4	*1.5	*3.5	39	2	4	*2.0	*3.5	32	7	4	*2.0	*4.0	28	4	2	*2.0	*3.5
10	147	5	4	10.0	17.0	108	10	9	13.0	20.0	70	27	3	*8.0	*16.0	62	2	2	2.0	5.0	46	2	6	*2.5	*4.5	37	3	9	*1.0	*3.5	27	12	1	*1.0	*3.5	28	4	2	*2.0	*4.5
11	147	4	6	10.0	16.0	109	8	8	11.0	17.5	70	18	4	*8.0	*12.0	62	6	8	3.0	6.5	45	3	15	*2.5	*6.5	37	4	10	*2.0	*4.0	28	2	5	*2.0	*4.0	28	4	2	*2.0	*4.0
12	149	4	8	10.0	16.5	110	12	9	12.0	20.5	71	15	3	6.0	14.0	62	4	6	2.0	4.5	44	6	12	1.5	4.0	37	4	14	*2.0	*4.0	26	6	4	2.0	4.0	28	4	2	*1.0	*3.0
13	149	6	8	9.5	16.0	110	10	9	11.0	19.0	72	10	6	*5.0	*7.5	62	6	6	2.5	5.0	44	4	8	*2.0	*4.0	35	6	13	*2.0	*3.5	28	6	4	*2.5	*4.5	30	2	4	*2.5	*4.5
14	149	5	5	10.5	17.5	110	7	12	10.0	19.0	74	17	10	6.0	10.5	62	6	6	*2.5	*5.5	46	4	12	2.0	3.0	37	4	8	2.0	4.0	34	4	10	*2.5	*5.5	30	2	1	*1.5	*3.5
15	147	5	6	11.0	18.5	111	11	13	11.0	19.0	76	15	8	*8.5	*13.5	62	8	5	2.5	5.0	46	6	6	2.0	3.5	39	4	8	1.5	3.5	39	4	8	*2.0	*4.5	30	2	2	1.5	3.5
16	147	4	6	12.0	18.5	112	10	9	10.5	19.0	88	10	17	7.0	14.0	66	14	8	3.5	12.0	48	4	6	*2.5	*4.0	43	4	4	2.0	4.5	44	4	4	2.0	4.0	32	2	2	2.0	3.5
17	148	7	5	11.0	18.5	120	6	9	9.0	16.0	88	6	5	8.0	14.5	71	13	9	4.0	13.0	49	10	3	2.5	4.5	47	6	6	2.0	4.5	46	2	4	3.0	5.5	30	4	4	2.0	4.0
18	149	6	6	12.0	19.5	122	7	8	8.5	16.5	96	12	10	7.0	17.5	71	14	5	5.5	10.5	50	10	4	2.0	4.0	49	6	7	3.5	5.5	46	2	4	*3.0	*6.0	26	4	4	2.0	3.5
19	151	4	7	12.0	19.0	124	5	9	8.5	16.5	97	9	10	8.0	15.0	74	11	6	6.0	11.0	50	10	2	*3.5	*6.5	49	6	6	2.5	5.0	46	4	6	*3.0	*6.0	24	4	2	1.5	3.5
20	151	4	6	11.5	19.5	124	7	9	9.5	17.0	98	12	10	9.5	17.0	77	10	5	6.0	11.0	51	9	3	2.0	5.0	50	5	7	3.5	6.5	46	2	6	*3.0	*5.5	24	2	2	*2.0	*3.0
21	151	4	6	10.5	18.0	123	8	6	10.0	18.0	98	14	8	8.0	15.0	78	13	4	5.0	10.5	54	6	6	*2.5	*5.0	51	4	8	*3.0	*7.0	46	2	10	*4.0	*6.0	24	2	2	*1.5	*3.0
22	151	4	4	10.0	17.5	123	9	6	10.0	18.0	98	8	8	8.5	16.0	80	13	6	6.5	12.5	54	8	6	2.0	5.0	51	6	6	3.5	6.0	45	3	9	*4.0	*65	24	0	2	*1.0	*2.5
23	151	5	4	9.5	15.0	124	8	7	10.0	19.0	100	12	9	8.0	15.0	80	13	5	5.5	12.5	54	8	6	3.0	6.0	52	7	7	3.5	7.0	44	4	10	*2.5	*4.5	24	2	2	*1.5	*3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month September 1959

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	103	3	2			76	8	2			61	4	4			52	4	4			24	2	2			30	13	11			25	6	8			21	0	2		
01	103	4	2			76	10	2			61	4	6			51	4	2			22	4	0			26	12	8			23	8	8			19	2	0		
02	103	4	4			78	4	5			61	4	6			50	4	2			24	0	3			26	8	8			23	11	7			19	2	0		
03	103	2	2			76	4	4			59					50					22	2	2			24	9	6			21	10	3			19	2	0		
04	101	2	3			78					57					51					24					22	11	4			23	7	8			19	1	2		
05	101	2	15			76	2	4			59		8			50	2	2			22	6	2			20	16	4			21	7	8			19	1	2		
06	101	4	3			76	6	4			63	2	6			50	5	2			22	1	2			18	18	2			19	6	9			19	1	2		
07	101	3	3			78	4	4			63	2	5			52	3	2			22	3	2			16	9	0			19	6	8			19	1	2		
08	101	0	2			76	4	4			63	2	7			52	4	3			22	4	2			18	2	2			13	9	5			19	1	2		
09	99	1	2			74	5	4			63	2	6			52	2	4			22	3	2			16	2	0			14	5	4			19	1	2		
10	99	2	2			76	4	3			63	2	8			52	2	4			22	1	2			18	4	2			17	3	6			19	2	0		
11	99	2	2			76	6	4			63	3	6			52	4	3			22	2	2			20	4	4			17	4	2			19	0	2		
12	99	1	2			78	5	6			62	3	5			53	3	3			22	4	2			22	6	6			19	2	4			19	2	0		
13	99	2	3			76					62	3				52	4	2			22	3	2			24	4	4			21	3	4			19	2	0		
14	99	2	2			78					63					52					22	2	2			26	7	8			23	2	3			21	2	2		
15	99	3	2			80					59		5			53					24					26	8	8			23	4	2			21	4	2		
16	99	4	2			78					62	3	5			52	4	4			24					28	13	10			27	4	6			21	2	2		
17	101	2	3			76	2	4			62	3	6			52	4	4			24	4	4			32	8	12			27	6	4			21	0	2		
18	101	2	2			76	4	4			63	2	6			52	4	2			22	6	2			29	15	9			27	4	6			21	2	2		
19	101	4	2			78	4	8			61	4	4			54	2	4			24	2	4			33	9	11			29	6	4			21	0	2		
20	101	4	2			76	6	2			63	4	4			52	2	2			24	4	2			34	10	15			27	14	13			21	0	2		
21	103	2	2			76	5	4			61	4	4			52	2	3			24	4	2			33		13			27	6	10			21	0	2		
22	103	4	2			76	5	4			63	4	5			52	4	2			22	8	2			36	8	14			28	7	9			21	0	2		
23	103	3	2			76	6	2			63	2				52	3	2			23	5	3			34	8	10			26	9	5			21	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month November 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	103	2	4			72	10	2			66	2	8			60	7	5			20	4	2			21	6	6			20	6	4			19	2	2		
01	103	1	4			74	4	4			64	4	8			59	7	9			18	6	0			19	6	6			20	6	9			19	0	2		
02	103	2	4			74	4	6			64	2	8			60	7	11			20	4	2			19	6	4			18	6	4			17	2	2		
03	103	2	4			75	9	5			64	2	5			60	8	8			20	2	2			17	8	2			16	8	8			17	2	2		
04	103	2	4			76	10	8			61					64	4	9			18					17	6	2			14	8	4			17	2	2		
05	103	2	4			76	4	6			64					61	8	15			20					17	4	2			16	6	6			17	2	2		
06	103	2	4			75	6	7			65	5	5			60	7	12			20	2	2			15	4	0			16	8	10			17	4	2		
07	103	0	6			72	7	4			66	1	8			60	9	10			19	5	1			15	4	2			16	4	10			17	2	2		
08	101	3	4			74	7	4			64	4	4			62	6	13			20	4	2			15	2	2			13	5	5			17	2	2		
09	101	2	0			74	7	6			64	4	6			63	5	13			18	6	0			15	2	2			15	3	6			17	2	2		
10	103	3	4			74	6	4			66	2	7			60	9	12			20	7	3			17	4	4			14	4	3			18	1	2		
11	103	1	4			72	6	2			66	0	6			58	11	8			18	6	0			15	2	2			14	2	4			17	2	1		
12	103	2	4			74	6	4			62	4	4			60	8	10			20	4	2			15	2	2			16	2	6			19	0	2		
13	103	2	4			74	10	4			63	4	2			60	6	6			20	4	2			15	4	2			18	4	6			19	2	2		
14	103	2	4			76	7	3			62	4	3			62	5	8			20	6	2			15	6	2			16	2	6			19	4	2		
15	103	2	4			74					63					64	4	6			24					19	0	4			16	4	2			19	4	0		
16	103	0	4			78					60	6	2			60	10	6			22					17	2	0			17	9	5			19	4	0		
17	103	2	2			73	7	5			64	4	7			60	6	4			20	1	2			17	2	2			22	2	12			19	2	2		
18	103	2	2			74	6	4			64	4	6			60	6	8			22	3	4			17	7	2			22	4	11			19	2	2		
19	103	2	2			74	8	4			66	2	7			58	9	3			20	4	2			17	9	2			22	4	6			19	2	2		
20	103	2	2			74	9	4			64	4	6			58	5	8			20	4	2			21	8	4			22	6	8			19	2	2		
21	103	2	2			74	5	3			66	1	8			58	8	6			20	4	2			23	4	8			22	4	6			19	0	2		
22	103	5	2			74	4	4			66	2	6			62	5	9			20	4	2			23	6	6			24	2	6			19	2	2		
23	103	2	2			75	4	5			64	4	4			60	6	10			20	4	2			23	7	5			22	5	7			19	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month September 1959

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	1	2	7.0	11.5	128	2	2	7.5	135	101	7	4	7.0	13.5	81	8	5	7.0	13.5
01	155	2	2	6.5	11.0	128	3	2	7.5	13.5	100	7	2	7.0	13.0	81	8	4	9.0	16.0
02	155	2	1	7.0	12.0	128	3	2	8.0	13.0	100	9	4	7.5	14.0	80	10	5	7.5	13.0
03	155	2	2	7.5	12.5	128	2	2	7.0	13.0	100	6	4	7.0	13.0	79	6	6	6.5	12.5
04	155	2	2	7.5	13.0	125	3	2	8.0	13.5	98	6	2	7.0	13.0	81	6	8	7.5	13.5
05	155	2	2	9.0	15.0	126	3	2	8.0	13.0	96	7	3	7.5	13.5	69	10	8	*10.0	*16.0
06	155	2	2	8.5	145	122	4	2	8.0	13.0	83	12	9	9.0	15.0	49	11	1	*3.0	*5.5
07	153	2	2	9.0	14.5	116	6	5	8.0	13.0	64	25	4	*7.0	*10.0	49	11	2	*7.5	*10.5
08	151	3	2	8.5	145	111	10	3	9.0	15.0	64	28	8	*9.5	*13.5	49	6	3	3.0	5.0
09	151	2	2	9.0	15.0	112	10	6	10.5	18.0	66	32	10	13.0	19.0	49	11	2	3.0	6.0
10	151	3	2	11.0	18.0	112	10	3	13.5	22.0	68	30	12	14.5	24.0	49	6	4	2.5	5.0
11	151	2	2	11.5	18.0	114	8	4	13.0	22.0	66	30	10	*10.0	*16.0	49	8	4	*4.0	*6.0
12	149	4	2	12.0	19.5	114	8	4	12.0	20.5	69	27	9	14.0	21.0	49	11	2	*3.0	*4.5
13	151	2	4	12.5	20.0	116	7	6	12.0	21.0	72	22	12	*16.5	*25.5	49	8	4	*4.5	*7.5
14	151	3	2	11.5	19.0	116	10	4	10.5	19.5	78	24	14	125	24.5	49	19	6	*3.5	*5.5
15	152	3	1	10.5	17.0	118	6	5	12.0	21.0	70	24	8	*16.0	*24.5	47	24	0	*4.5	*6.5
16	153	2	2	*9.0	*16.0	114	10	4	*9.0	*16.0	74	35	14	*8.5	*15.0	49	26	2	*7.5	*13.5
17	153	2	2	8.5	14.0	116	9	6	8.0	15.0	84	16	19	15.5	24.0	59	13	7	*5.5	*10.0
18	151	4	2	8.0	14.0	116	16	4	10.0	17.0	94	17	11	11.5	225	74	13	9	*5.0	*9.0
19	153	2	3	8.5	14.0	122	7	3	9.5	15.5	96	10	3	9.0	17.5	79	9	5	*7.0	*13.0
20	153	4	1	8.0	14.0	126	4	5	8.5	16.0	99	8	6	8.0	15.5	81	9	4	5.5	11.0
21	155	2	3	8.0	13.0	126	4	2	8.0	15.0	100	7	5	8.0	16.0	83	7	5	*6.0	*13.0
22	153	4	1	7.5	11.5	126	4	2	8.0	14.0	100	9	3	6.5	13.0	81	10	5	85	16.0
23	153	4	1	7.5	12.5	128	2	2	8.5	145	100	7	4	7.0	13.0	81	8	4	8.0	15.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	53	10	3	6.0	10.0	50	7	4	*6.0	*9.0	40	8	2	*4.5	*7.5	25	2	2		
01	55	5	6	7.0	10.5	52	4	5	*6.0	*10.0	42	5	3	*4.0	*7.0	23	3	0	*2.5	*3.5
02	55	7	6	6.0	11.5	52	4	4	5.0	8.5	42	2	4	5.0	8.0	23	2	2	*3.0	*4.0
03	53	6	4	5.0	8.5	52	4	4	5.0	8.0	40	6	2	4.5	8.0	23	0	2	*4.0	*7.0
04	51	7	4	6.0	10.0	52	4	4	5.0	8.5	40	2	2	4.0	7.5	23	0	2	*2.5	*4.0
05	49	9	2	6.0	10.0	52	4	3	4.5	9.0	40	1	4	3.5	6.0	23	2	1	*3.5	*5.0
06	47	6	7	5.0	8.5	48	5	4	4.5	8.0	38	3	2	3.5	6.5	23	2	1		
07	29	11	5	*6.0	*8.5	30	8	5	3.5	5.0	32	7	2	50	7.0	23	2	2	*2.5	*4.0
08	25	8	4	*4.0	*5.5	28	6	8	*2.5	*4.0	24	10	1	4.0	5.0	21	4	0	*3.0	*5.0
09	23	4	1	*3.5	*5.0	28	4	6	*3.0	*4.5	22	11	4	*35	*5.5	21	4	2	*25	*4.0
10	23	5	2	*3.5	*4.5	28	5	5	*2.5	*4.0	22	9	4	*2.5	*4.5	21	3	2	*2.5	*4.0
11	23	6	4	*3.0	*4.5	28	4	8	*2.5	*4.0	22	8	4	3.0	5.0	21	2	2	*3.5	*5.0
12	23	6	4	*3.5	*5.0	28	4	10	*3.5	*6.0	22	10	2	*3.0	*5.0	21	4	2	*3.5	*5.5
13	21	10	2	*2.5	*3.5	30	3	8	*3.0	*4.5	24	6	4	*3.5	*5.0	23	4	3	*3.0	*4.5
14	23	9	4	*3.0	*4.0	30	8	6	*7.0	*15.5	26	10	6	*5.0	*7.0	25	4	4	*2.5	*5.0
15	23	10	4	*3.0	*5.0	29	6	12	*2.5	*4.0	*29			*6.0	*9.0	25	2	2	*4.5	*7.0
16	*25			*3.0	*4.0	29	11	8	*3.0	*5.0	34	8	2	*4.0	*7.0	27	2	2	3.0	5.0
17	31	13	5	*8.0	*10.5	36	13	4	5.0	8.0	40	4	2	5.5	8.5	25	4	2	3.0	5.0
18	44	10	6	7.5	12.0	49	7	6	6.0	10.0	42	5	2	5.0	8.0	27	3	2	3.5	5.0
19	54	9	8	*6.0	*11.5	56	4	5	*6.5	*10.0	43	6	3	5.0	8.0	27	4	2	3.5	5.5
20	53	8	6	*7.0	11.0	56	4	5	6.0	9.0	44	4	3	4.5	7.5	25	4	1	2.5	4.0
21	55	9	6	7.0	10.5	56	4	4	6.0	9.5	44	4	3	5.0	8.0	27	2	2	*2.5	*4.0
22	56	8	7	*6.5	*12.5	56	6	6	4.5	9.0	42	6	2	*5.0	*8.0	26	2	2	*3.0	*4.0
23	55	10	6	6.0	9.0	54	6	8	6.5	10.0	42	6	2	4.5	7.5	25	2	2	*3.0	*5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month October 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	2	3	7.0	12.5	130	4	5	9.5	17.0	105	6	9	7.5	17.0	87	5	10.	7.0	14.5	59	9	10	5.5	11.0	54	6	4	4.5	9.0	45	6	2	3.5	7.5	24	4	4	*2.5	*4.0
01	157	2	4	7.0	12.0	130	4	4	8.5	14.5	105	6	6	7.5	14.0	85	6	7	6.5	14.0	59	8	7	6.0	12.5	54	4	2	5.0	9.0	45	4	3	4.0	6.5	22	3	3	*2.5	*3.5
02	157	2	3	7.0	11.5	130	4	2	8.5	14.5	105	4	7	6.5	13.5	83	6	6	7.5	16.0	57	8	7	*6.0	*10.5	56	2	5	4.5	8.0	45	2	3	4.0	6.5	22	2	6	*4.0	*5.5
03	157	2	2	7.5	13.0	130	4	4	8.5	15.0	105	6	6	8.0	15.0	81	7	6	8.0	16.5	57	7	6	*6.0	*10.0	54	4	2	5.0	9.0	45	2	4	4.0	7.0	22	2	6	*2.5	*4.0
04	157	2	2	8.5	14.5	128	4	3	9.0	15.0	91	9	4	6.0	12.5	79	9	8	*11.0	*18.0	55	8	4	*5.0	*9.0	54	4	2	*4.0	*7.0	43	2	4	4.5	7.0	20	2	4	*3.0	*4.5
05	157	2	4	8.5	15.0	126	6	2	9.0	15.0	95	10	7	*8.0	*14.0	59	18	10	4.0	7.0	54	10	11	*8.0	*12.5	54	2	4	5.5	9.5	41	8	2	4.0	7.0	22	4	5	*3.0	*5.0
06	154	3	3	9.0	15.5	121	3	6	8.0	15.5	83	14	17	*12.5	*23.0	49	16	6	*4.0	*6.0	39	9	10	7.5	12.5	40	8	7	5.5	8.5	39	2	4	4.0	7.0	22	4	7	3.0	4.5
07	153	0	2	9.5	16.0	116	6	5	10.0	16.0	77	21	16	*14.5	*24.0	49	6	6	*3.5	*6.5	27	17	7	*6.5	*11.0	30	10	6	3.0	5.0	33	7	5	*5.5	*8.0	22	2	4	*3.0	*5.0
08	151	3	2	10.0	17.0	113	1	3	13.0	21.0	77	24	13	13.0	23.5	48	9	5	*3.0	*5.0	23	10	4	*3.0	*4.0	28	11	8	*4.5	*6.5	27	6	6	*7.0	*7.5	22	2	4	*3.0	*4.0
09	151	4	2	12.0	19.0	116	10	6	13.0	22.0	75	21	12	11.0	19.0	47	8	4	*3.0	*5.0	23	14	4	*6.0	*8.5	26	14	7	3.0	5.0	23	10	6	*8.5	*9.0	20	2	2	*2.5	*4.5
10	151	4	3	12.0	19.5	116	10	2	13.0	23.0	75	30	11	10.5	20.5	47	16	4	*4.0	*6.0	21	16	2	*4.0	*5.0	26	14	7	*2.5	*4.0	23	10	6	*3.0	*4.0	20	2	2	*3.0	*4.5
11	151	8	2	12.5	20.0	120	6	6	12.0	21.5	82	24	19	9.5	19.5	47	16	4	*2.5	*4.5	23	26	4	*4.0	*5.0	26	16	8	*3.0	*4.0	23	12	6	*3.5	*4.5	20	4	2	*3.0	*5.5
12	153	4	4	11.5	19.0	120	6	8	8.5	16.5	84	21	18	8.0	15.0	47	18	4	*8.0	*14.0	19	10	0	*4.0	*5.0	26	14	6	*4.0	*4.5	23	12	8	*3.0	*5.0	20	4	2	*3.0	*5.5
13	153	6	4	11.5	20.0	124	6	6	9.5	16.5	85	20	11	7.0	15.0	50	21	7	*7.5	*12.5	20	29	1	*2.5	*3.5	26	16	6	*3.0	*4.5	29	8	10	5.0	8.0	22	5	2	*3.0	*4.5
14	155	5	2	9.0	17.0	125	8	6	7.0	13.0	91	16	18	6.0	12.5	51	18	8	*5.0	*9.0	21	27	2	*9.5	*10.0	28	12	8	*4.0	*7.0	32	7	13	*5.0	*7.5	24	4	2	*4.0	*6.0
15	155	6	2	9.5	16.0	126	7	6	8.0	16.0	*84			*7.0	*15.5	*50			*5.0	*5.5	19	30	0	*3.5	*5.0	32	16	13	*5.0	*9.5	*31			*4.0	*7.0	*24			*5.0	*7.0
16	*155			*10.0	*17.0	123	10	9	7.5	15.0	92	18	17	*9.0	*18.0	53	23	10	*5.0	*9.0	*25			*2.5	*4.0	36	14	12	*7.5	*10.0	38	8	5	*4.0	*7.0	26	6	5	*2.5	*6.0
17	156	3	4	9.0	15.5	122	10	6	8.0	15.5	93	15	17	8.5	17.5	57	14	8	*5.5	*9.0	37	16	16	*4.0	*7.5	42	8	8	*5.5	*11.5	43	4	3	5.0	9.0	26	7	6	3.5	6.0
18	155	2	2	9.0	15.0	124	7	7	7.0	14.5	103	10	13	7.0	15.0	81	12	16	6.0	12.0	53	12	24	*7.0	*12.5	52	8	6	5.0	8.0	47	4	4	4.5	7.0	26	5	6	3.5	6.5
19	155	3	4	9.0	16.0	130	4	6	9.0	16.5	105	9	9	7.5	19.0	83	10	7	6.0	13.0	61	8	21	6.5	12.0	58	4	8	5.0	9.0	47	3	4	3.0	7.0	25	8	6	*3.0	*5.0
20	157	2	4	9.0	15.5	130	4	6	8.0	16.0	105	8	10	7.5	15.0	85	8	9	6.5	13.0	61	6	11	7.0	11.5	56	5	5	4.5	9.0	47	4	2	*4.0	*5.5	24	7	5	*3.0	*5.0
21	157	2	4	9.0	14.5	130	4	4	9.0	16.0	103	6	8	7.0	16.0	87	7	9	6.0	11.5	61	8	10	7.0	12.5	58	4	6	*5.0	*9.0	45	4	2	4.0	7.0	26	5	7	4.0	6.5
22	157	2	4	8.0	13.5	130	4	4	9.0	16.0	103	8	6	7.5	16.0	83	12	6	7.0	15.0	61	8	12	6.0	11.0	56	7	7	3.5	8.0	45	4	2	*4.0	*6.0	26	6	7	3.0	4.5
23	157	2	4	7.5	12.5	130	4	4	9.5	16.5	103	8	5	8.0	15.0	83	10	5	7.0	13.5	59	9	12	*6.0	*13.0	56	7	7	5.0	9.0	45	4	4	4.0	7.0	24	6	6	*2.5	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month November 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	158	8	4	7.5	11.0	132	11	5	9.0	16.0	112	10	8	8.0	15.0	91	12	10	7.5	15.0	62	11	10	6.5	12.0	56	8	4	6.0	11.0	45	4	4	4.5	7.5	23	7	3	3.0	5.0
01	160	10	4	9.5	13.5	133	11	6	10.5	15.5	110	11	6	8.0	15.5	90	12	10	8.0	14.0	62	10	9	*4.5	*10.0	56	7	3	5.0	9.5	45	4	3	4.5	8.0	23	5	4	*5.0	*7.5
02	158	10	4	8.0	13.0	133	11	6	8.5	14.5	108	12	6	8.5	16.0	86	15	8	8.0	15.0	61	9	8	6.5	10.5	56	5	5	5.0	9.0	43	4	2	3.0	7.0	21	4	2	*3.0	*5.5
03	158	8	4	9.5	14.0	131	13	6	10.5	15.0	108	13	8	9.0	16.0	85	14	9	9.5	16.5	60	11	8	7.0	12.0	56	4	6	5.0	9.0	43	2	3	4.0	7.5	21	4	2	*3.5	*6.0
04	158	6	4	8.5	14.5	131	12	8	*7.0	*16.0	106	15	11	9.5	16.0	78	16	8	9.0	15.0	60	9	8	*6.5	*12.5	56	2	6	5.0	9.0	42	3	3	4.0	7.0	21	2	2	*2.5	*5.0
05	158	4	4	11.0	16.5	123	14	4	9.0	15.0	92	23	11	12.0	20.0	53	35	11	*8.5	*12.0	54	8	8	*7.0	*12.0	52	2	4	5.5	10.0	41	4	3	3.5	7.0	21	3	1	*2.5	*5.0
06	156	4	5	10.0	16.0	121	10	6	10.5	17.5	86	31	22	*9.0	*17.5	50	39	8	7.0	10.0	36	15	9	7.5	12.5	36	14	4	*6.0	*9.5	37	6	3	5.0	8.0	21	4	2	*3.0	*5.5
07	154	10	10	12.5	19.5	117	21	6	11.5	19.0	84	33	21	13.5	24.0	51	40	9	10.0	16.0	30	19	8	5.0	9.0	30	22	6	*6.5	*10.5	31	8	6	4.5	6.5	21	4	2	3.5	5.5
08	154	5	4	*11.0	*18.0	118	25	7	14.0	21.0	86	31	15	*14.0	*25.5	49	46	7	*7.5	*13.5	26	27	5	*5.5	*8.0	30	18	5	*4.5	*6.0	28	8	7	4.0	6.0	21	2	2	*3.0	*5.0
09	154	7	3	13.5	20.5	121	12	8	13.0	22.0	86	29	18	*14.0	22.5	48	39	6	*6.5	*8.5	26	30	8	*6.0	*8.5	30	15	9	*2.5	*5.0	23	14	4	*6.0	*9.0	21	4	2	*2.5	*4.5
10	152	15	10	13.5	22.0	121	12	6	13.5	22.0	86	29	18	*15.0	23.0	48	40	6	*8.5	*15.0	25	23	7	*6.5	*9.0	30	11	8	*5.0	*8.5	25	10	6	*11.0	*14.5	19	4	0	*3.0	*5.0
11	152	17	5	*12.0	*19.0	121	12	6	*12.0	*21.0	87	23	15	11.5	19.0	48	37	6	*8.0	*15.5	24	10	6	*5.5	*8.5	25	12	5	*5.5	*7.5	21	10	4	*3.0	*5.5	19	14	2	*2.5	*4.5
12	*158			*12.0	*19.0	124	22	8	10.5	18.5	94	35	20	9.0	13.5	46	34	4	*5.0	*11.0	22	29	4	*4.5	*7.5	24	10	4	*3.5	*7.0	23	9	5	*5.0	*8.0	21	7	2	*3.5	*5.5
13	*158			*9.0	*17.0	125	23	5	*8.5	14.0	96	28	14	7.0	12.5	51	55	9	*8.0	*16.5	22	14	2	4.5	7.0	26	21	6	*3.0	*7.0	26	11	6	*5.0	*10.0	23	10	4	*3.0	*6.5
14	160	12	6	*8.5	*14.0	125	28	2	*7.0	13.0	101	31	11	6.0	11.0	61	49	15	*4.0	*8.5	22	26	4	*6.5	*11.5	26	30	6	*4.0	*8.0	29	16	6	*4.0	*8.0	25	6	3	*5.0	*9.0
15	*164			*8.0	*13.5	129	26	6	6.0	11.0	*102			*6.5	*13.0	*59			*5.0	*9.0	44	32	26	*8.0	*15.5	31	34	9	*5.0	*9.5	*37			*5.0	*8.0	*25			*6.0	*11.0
16	*162			*7.0	*13.0	*129			*6.5	*12.0	*101			*6.5	*11.5	56	62	14	*4.0	*8.0	*28					*32			*11.5	*17.5	*38			*6.0	*11.5	27	8	6	*3.5	*6.0
17	161	14	6	7.0	12.5	129	25	4	6.0	11.5	100	35	8	7.0	12.0	60	57	12	4.0	8.5	34	45	11	7.5	12.5	40	26	6	4.5	9.5	45	10	6	3.5	7.0	29	9	6	3.5	6.0
18	159	15	3	9.0	15.0	129	30	8	7.0	13.5	108	23	12	6.0	11.5	80	30	14	5.5	13.5	50	30	9	4.0	8.0	52	17	8	3.5	7.5	47	10	2	3.5	7.5	25	13	2	*4.0	*7.0
19	158	11	5	8.5	15.0	133	16	10	7.0	13.5	114	12	12	7.0	13.5	88	16	8	4.0	10.0	60	16	6	4.0	8.5	60	10	6	4.0	8.5	47	4	6	4.0	7.5	25	6	2	*4.0	*7.0
20	160	9	4	9.5	15.5	136	9	11	8.0	14.5	114	10	10	6.5	12.5	94	10	10	5.0	10.5	66	9	7	5.0	11.0	61	5	5	4.5	8.0	47	3	4	4.0	7.5	25	3	2	3.5	6.5
21	160	7	6	9.0	16.0	135	11	9	8.0	15.0	114	9	10	7.5	14.0	93	10	10	6.0	12.5	64	10	8	6.0	11.0	62	4	5	5.0	8.0	47	3	4	4.0	7.0	25	2	4	*3.0	*5.0
22	158	8	2	7.5	12.5	135	6	10	9.0	17.0	112	10	9	8.0	15.0	92	10	12	7.0	14.5	64	10	8	5.0	10.5	60	6	5	5.0	9.5	45	4	4	4.5	8.5	24	3	3	*2.5	*5.0
23	158	7	4	7.5	12.0	133	9	5	9.0	17.0	112	7	9	8.0	16.0	92	9	10	6.0	13.0	62	10	8	6.0	12.0	58	6	6	5.0	9.0	45	4	4	4.5	8.0	23	5	2	*3.0	*5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month September 19 59

Hour (LST)	Frequency (Mc)																																					
	.051										.246 **					.545					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*
00	121			3.0	5.0						81					81					50			4.0	8.5	54			4.0	6.0	40			3.0	6.5	23			3.0	4.0
01	121			8.0	12.0						85					68			7.0	10.0	52			2.5	6.0	52					40			1.5	3.5	23			4.0	4.5
02	119			11.0	13.5						81			7.0	10.0	71			5.0	8.5	52			3.0	7.0	54					39			9.0	10.0	23			2.0	4.0
03	118			7.0	11.0						82			6.5	10.5	72			4.5	8.0	54			3.0	8.0	55					34			10.0	12.0	22			3.0	5.0
04	117			8.5	13.5						79			9.0	14.0	61					54			4.0	8.5	55					34			1.5	3.5	23			4.0	4.5
05	114			6.5	11.0						68			8.0	9.5	53			3.5	6.5	50			4.5	9.0	48					38			5.0	9.5	23			4.5	5.0
06	112			8.0	12.5						94			7.0	13.0	55					28					30			5.5	9.5	36			3.0	6.0	23			6.5	6.5
07	111			8.0	12.0						91					56			5.0	9.5	32					31			7.0	10.0	34			4.0	6.5	23			4.0	5.0
08	109			13.0	18.0											56					30					30					32					24				
09	109															55					25					26					30					24				
10	111															57					30					26					28					25				
11	111															54					26					25					28					24				
12	112			9.5	13.5											54					34			3.0	6.0	26			8.0	11.5	29					26				
13	115			11.0	14.5											54			4.0	6.5	36			7.0	10.5	26					28					25				
14	113			12.0	15.5											54			0.5	0.5	34			19.0	24.0	28					34					26			3.0	5.0
15	113			13.0	17.0											57					40					28					36					28			8.0	12.0
16	115			9.5	12.5											57			3.5	5.5	40					36			11.5	16.5	38			5.0	9.0	27			3.0	5.5
17	115			10.0	12.5											65					44					42					42			10.0	12.5	27				
18	116			9.5	12.0											61					47					48					46			6.0	9.5	27			1.0	4.5
19	117			8.5	12.0											72			4.0	8.0	52					53					44					26			3.0	6.5
20	117			9.5	12.5											83					49					52					44			5.5	9.0	25			3.5	5.0
21	119			9.5	12.0											79					47			2.0	5.0	52					42			12.0	15.5	23			1.5	3.0
22	119			6.0	7.0											92					49					52					42			7.5	9.0	23			3.0	5.0
23	119			6.5	10.0											80					51			7.5	9.0	50					42			11.0	13.0	23				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

** Interference Kalungborg Broadcast station from 0800 through 2300.

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month October 19 59

Frequency (Mc)

Hour (LST)	.051										.246 **					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	117	4	5	7.5	11.5						79	6	5	7.0	13.0	73	10	4			*50			9.0	13.0	*51			4.5	8.5	*42			3.0	6.0	20	2	0	*2.0	*4.0
01	117	4	4	7.0	12.0						78	6	4	*6.5	*11.0	70	4	5	5.5	10.0	*50			3.5	6.0	*53			4.0	7.5	*39			4.0	6.5	20	2	0	*1.5	*4.0
02	117	2	5	7.0	13.5						78	5	4	*5.5	*10.0	69	4	7	5.0	10.0	*48			6.0	10.0	*53					*39			4.5	6.5	20	2	0	*2.0	*4.0
03	117	4	4	8.0	14.0						76	6	3	*6.0	*12.5	68	4	5	*5.5	*11.5	*48			5.5	9.5	*54			4.0	7.0	*41			3.0	6.0	*20			*2.0	*4.0
04	117	2	6	10.0	15.0						76	5	6	*7.5	*13.0	74	9	11			*48			6.5	12.0	*47			2.5	5.5	*37			4.5	8.5	20	2	0	*2.0	*4.0
05	115	4	6	9.5	15.0						72	8	6			67	7	9			*46			5.0	9.0	*48					*37			4.0	6.5	20	2	0	*1.0	*3.0
06	109	5	3	8.5	14.5						92	6	26			61	10	6	*2.0	*6.0	*44					*43					*39			2.5	5.5	22	2	2	*1.5	*3.5
07	107	6	4	*10.0	*16.0						94	8	28			57	6	2	*5.0	*10.0	*36			2.5	5.0	*40			12.5	17.5	*43					24	2	4	*3.0	*5.0
08	103	8	8	*12.0	*18.0											57	2	4	*6.5	*10.0	*35			1.5	3.0	*31					*37					*24			*2.5	*4.5
09	101	7	6	*9.0	*14.5											*55			*4.0	*8.5	*36			2.0	4.0	*30					*37			6.5	10.0	*24				
10	*101			*13.0	*19.5											59	2	4	*0.5	*4.5	*36			2.5	4.0	*25					*37					*24			*3.0	*5.0
11	101	6	6	*10.5	*16.5											57	8	4	*3.0	*7.5	*37			2.0	4.0	*23			3.5	5.5	*37					28	2	8		
12	103	4	9	*11.0	*16.0											57	6	4	*3.5	*8.0	*40			2.0	5.0	*24					*37					*25			*2.5	*5.0
13	101	5	3	*8.0	*13.5											57	4	4	*4.0	*7.5	*43			2.0	4.0	27	6	6	3.0	5.0	37	2	8	6.5	10.0	28	5	7	*2.0	*4.0
14	101	6	4	*7.5	*13.0											58	13	5	*4.0	*8.5	48	2	2	2.5	4.0	*29					*39					*28			*3.0	*5.0
15	103	4	6	*8.0	*13.5											59	10	2	*4.0	*6.5	48	0	4	2.5	4.5	*39			4.0	6.5	43	3	5	4.5	8.0	26	6	3	*5.0	*7.0
16	105	4	4	*8.5	*13.5											67	10	10	*5.0	*9.0	46	2	2	3.5	6.0	42	5	7	8.0	11.5	*41			7.5	12.0	26	5	3	*2.5	*4.0
17	105	7	4	*7.5	*13.0											79	10	14			*48			3.5	6.0	*43			3.0	5.0	43	6	4	3.5	6.5	24	2	2	*3.0	*4.5
18	111	4	6	8.5	13.5											79	12	8			*48			2.0	5.0	*45			4.0	7.5	*44			4.0	6.5	24	2	2	3.5	5.5
19	113	5	4	7.5	13.0											87	8	15			*47			3.5	6.5	*51					*44					22	3	0	*1.0	*3.0
20	115	3	4	7.5	13.0											87	7	12	*6.0	*13.5	*48			2.5	6.0	*49					43	12	4	8.0	12.5	22	2	0	1.0	3.0
21	115	4	3	6.5	11.5											85	6	10			*48			3.0	6.0	*51			4.0	8.0	*44			5.0	8.0	22	0	2	*1.0	*3.0
22	115	6	4	7.0	12.5											87	7	9	*8.0	*18.5	*47			4.5	8.0	*49			4.5	8.0	*39			3.0	5.0	20	2	0	*2.0	*3.0
23	117	3	6	8.0	13.0											81	6	10			*48			7.0	10.5	*49					*41			1.0	4.0	20	2	0	*1.0	*3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

** Interference Kalungborg Broadcast station from 0800 through 2300.

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month November 19 59

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	.246 ** Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm*	Ldm*
00	119	4	8	*8.0	*13.0						78	7	7	6.5	11.5	77	6	8	3.0	6.5
01	117	4	6	*11.0	*16.0						77	7	6	*6.0	*11.5	68	6	4	5.0	9.0
02	117	4	6	9.0	15.0						79	4	9	8.0	13.0	68	4	7	4.5	9.5
03	117	4	6	*8.5	*15.0						79	2	10	*7.0	*12.5	66	6	4	3.0	7.0
04	117	4	6	10.0	15.5						75	6	9	*6.0	*10.0	74	8	9		
05	117	4	7	11.5	17.0						76	5	7	*9.0	*13.5	76	8	7	7.0	15.0
06	115	6	6	11.5	18.0						99	14	31	*7.5	*12.0	70	8	10	7.0	14.5
07	111	3	6	*10.0	*17.0						95	4	24			66	9	7	2.5	6.0
08	107	4	8	*12.0	*18.0											*66				
09	*103			*12.0	*15.5											*63			4.5	11.0
10	*102			*10.5	*17.5											63	7	5	4.0	11.5
11	103	14	8	*11.0	*20.5											62	8	6	4.0	9.0
12	103	12	10	*11.0	*15.0											65	11	9	3.5	8.5
13	101	12	9	*13.0	*17.5											62	12	8	4.0	8.0
14	103	10	10	*11.0	*16.0											65	18	6	7.0	12.0
15	105	8	8	9.0	13.5											71	15	9		
16	107	8	8	*8.5	*13.0											73	7	8	0.5	1.0
17	110	7	7	*8.0	*15.0											76	10	6	4.5	7.5
18	115	6	7	8.0	12.0											82	10	7	5.0	10.0
19	116	7	6	10.0	14.0											81	8	6	8.5	15.0
20	117	6	7	9.0	14.5											84	8	10	6.0	10.0
21	117	8	8	8.0	13.0											82	10	6		
22	115	8	4	10.0	14.5											*84				
23	117	6	6	9.0	14.0											78	6	6		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm*	Ldm*	5 Fam	Du	Dℓ	Vdm*	Ldm*	10 Fam	Du	Dℓ	Vdm*	Ldm*	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	*50			6.0	9.0	*49			5.5	9.0	*37			5.5	8.5	21	0	2	0.5	2.5
01	*49			7.5	12.5	*49			4.5	10.0	*39			0.5	3.5	19	2	0	0.5	3.0
02	*48			10.0	14.0	*47			6.0	9.0	*33			4.5	6.5	19	2	0	0.5	3.0
03	*48					*49					33	10	6	2.5	4.5	19	2	0	0.5	3.0
04	*47					*53			7.0	12.5	*31			2.0	4.0	21	0	2	0.5	3.0
05	*44					*47			5.5	9.0	*31			4.0	6.5	21	0	2	1.0	3.5
06	*43			5.5	9.0	*45			3.5	9.0	33	6	6	4.5	6.5	21	0	2	0.5	3.0
07	*36			6.0	9.5	*45					*39			3.0	7.0	23	2	4	1.0	3.5
08	*34			3.5	5.0	*37			6.0	10.0	*34			2.0	3.0	*23			4.0	7.5
09	*38			2.0	4.0	*25					*37			1.5	4.0	*29			3.0	5.0
10	*34					*23			6.5	7.0	*33			3.0	5.5	25	5	2		
11	*38			5.0	7.0	*21			3.5	6.0	*37			5.0	9.0	27	6	4	5.5	8.5
12	*40			2.0	4.0	*24			7.0	9.5	*35					27	2	4	1.5	4.5
13	42	6	4	2.0	4.0	25	4	6	3.0	5.5	35	4	4	5.5	9.0	27	3	2	2.0	4.0
14	44	4	4	0.5	3.0	*27					*39					29	4	4	3.5	6.0
15	48	3	2	2.0	4.0	*37			3.0	6.5	41	6	4	4.5	6.5	29	4	4	6.5	9.5
16	*44			3.0	5.5	41	6	2	7.0	13.0	43	2	4	4.0	6.5	27	3	4	3.0	5.0
17	*46			5.5	8.0	*45					43	8	4	6.0	9.5	23	6	2	3.0	4.0
18	*47					*50					43	8	4	2.0	5.0	21	6	2	3.0	5.0
19	*48					*51			5.5	9.0	*47			4.5	9.0	21	2	2	1.0	3.5
20	*49			4.5	6.5	*51			2.0	5.5	*39			2.0	4.0	21	0	2	0.5	3.0
21	*51			6.0	10.0	*51			3.5	7.0	*37			3.0	5.5	21	0	2	1.0	3.5
22	*51			4.0	8.5	*51			5.0	7.0	*44			7.0	13.5	19	2	0		
23	*52			5.5	10.0	*50			3.0	7.0	*39			3.0	6.0	21	0	2	1.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

** Interference Kalungborg Broadcast station from 0800 through 2300.

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month September 19 59

Hour (LST)	Frequency (Mc)																																					
	.135					.500					2.5					5					10					20														
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	112	11	4			84	9	5			68	10	6			61	6	4			47	4	4			24	3	1												
01	113	7	6			83	7	4			68	8	4			62	3	4			47	3	6			24	1	1												
02	112	7	4			83	7	3			69	5	4			62	2	5			47	3	6			23	2	0												
03	113	4	5			83	7	5			69	4	4			62	2	4			45	4	5			23	2	0												
04	116	5	5			80	8	6			68	4	4			61	3	3			45	3	6			23	1	0												
05	114	5	6			74	10	6			64	8	6			59	3	3			44	3	5			23	1	1												
06	102	10	6			60	9	6			41	6	5			59	7	5			43	3	4			23	2	1												
07	99	10	7			58	10	4			35	5	7			38	4	3			41	5	2			25	3	2												
08	100	12	7			58	12	2			30	4	6			31	5	2			37	4	1			26	3	3												
09	101	12	7			59	11	2			30	2	6			29	5	3			35	4	2			25	2	2												
10	102	12	8			59	10	2			29	3	3			27	4	2			34	3	1			24	4	2												
11	103	12	6			60	10	2			30	2	5			27	3	2			33	3	1			24	3	1												
12	102	13	8			59	12	2			30	5	3			27	5	2			33	6	1			24	3	1												
13	106	11	12			62	22	5			31	16	3			27	11	1			35	5	2			25	4	2												
14	106	14	11			62	22	5			30	15	1			29	11	3			36	7	2			27	4	3												
15	104	16	9			62	24	5			31	19	2			31	13	3			40	8	4			28	5	3												
16	109	10	15			63	21	5			31	22	2			38	12	5			42	6	3			30	5	3												
17	103	13	9			62	21	4			34	16	2			46	9	4			46	5	4			31	5	3												
18	109	13	13			65	21	8			45	12	6			56	4	3			48	5	4			31	4	4												
19	113	11	9			74	13	10			64	6	6			61	5	3			49	6	4			30	4	3												
20	115	10	9			78	14	7			66	7	7			62	5	3			49	5	3			28	3	3												
21	113	10	6			82	8	9			67	8	7			62	4	3			49	3	4			26	3	1												
22	113	10	7			82	9	8			66	9	6			62	3	3			47	3	2			25	3	1												
23	112	12	5			83	10	5			68	7	6			61	4	2			47	3	4			25	2	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month October 1959

Hour (LST)	Frequency (Mc)																																							
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	114	5	6			86	5	4			61	10	6			59	8	4			44	2	2			23	1	0												
01	114	6	7			86	4	5			62	9	7			58	8	5			43	3	3			23	1	1												
02	114	5	7			85	5	6			63	8	8			58	7	5			43	3	3			23	0	1												
03	117	5	7			85	4	8			61	10	6			59	5	6			41	5	2			23	0	1												
04	112	6	5			79	6	8			62	7	8			57	7	5			40	6	2			23	0	1												
05	110	6	5			76	5	7			61	6	8			56	7	6			39	5	2			23	0	1												
06	101	8	6			57	10	4			47	7	9			53	4	8			39	5	3			23	1	1												
07	95	12	4			55	8	3			35	6	4			40	5	3			39	3	2			25	2	2												
08	94	14	5			56	9	3			32	3	5			33	4	3			36	2	3			26	1	3												
09	97	11	7			57	6	3			30	2	4			31	3	4			33	4	2			26	1	2												
10	96	12	6			57	6	2			29	1	4			29	2	2			32	5	2			25	2	1												
11	95	10	4			58	4	3			28	3	2			27	2	1			31	3	1			25	3	1												
12	96	13	4			57	7	3			28	3	2			27	3	1			33	4	1			25	3	1												
13	99	12	6			57	9	3			28	4	2			28	4	2			34	6	2			26	2	1												
14	99	16	5			58	12	3			29	10	2			31	6	4			37	5	3			27	2	1												
15	99	17	7			58	20	4			30	16	3			35	8	5			39	6	2			28	3	1												
16	99	18	8			60	17	5			35	15	4			44	7	7			43	4	3			29	2	1												
17	100	17	7			60	19	4			45	14	7			50	8	5			46	3	3			29	3	1												
18	107	11	5			70	15	7			55	11	7			56	5	6			48	3	3			29	3	1												
19	112	9	8			77	14	6			57	10	7			57	6	6			47	3	2			27	2	1												
20	113	10	6			81	14	6			60	8	10			59	5	7			46	4	2			26	1	1												
21	113	10	5			84	11	6			60	7	8			59	6	6			45	3	2			25	1	1												
22	114	5	6			85	7	7			60	7	8			59	5	7			45	2	3			24	1	1												
23	113	6	4			86	6	5			61	8	8			58	8	6			44	4	2			24	0	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month November 19 59

Hour (LST)	Frequency (Mc)																																							
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	107	6	5			84	5	8			58	6	8			56	3	5			40	5	5			22	1	1												
01	107	7	4			84	6	7			57	7	9			55	4	4			39	6	6			22	1	1												
02	107	8	7			83	8	6			57	7	9			55	4	5			38	5	5			22	2	1												
03	106	8	5			81	8	5			56	6	8			54	5	5			38	3	6			22	2	1												
04	107	6	7			76	6	9			57	4	8			53	4	4			36	3	4			22	2	0												
05	105	6	7			73	5	10			55	4	7			51	5	4			35	5	6			22	2	0												
06	97	6	4			62	6	7			49	6	6			47	5	3			35	4	6			22	2	0												
07	94	2	3			58	5	4			37	5	4			41	5	3			36	4	3			23	1	1												
08	95	3	3			57	3	4			31	2	3			33	3	2			37	2	5			26	2	3												
09	95	3	3			56	4	3			28	3	1			30	3	3			34	2	6			26	2	1												
10	95	3	3			56	4	2			28	3	2			28	3	2			33	2	4			26	2	1												
11	95	3	3			57	3	4			28	3	3			28	2	3			32	2	3			26	2	1												
12	95	3	3			56	4	2			28	3	2			27	3	1			32	2	5			26	2	1												
13	96	2	3			56	3	2			29	2	3			27	4	1			33	2	4			27	1	2												
14	96	3	3			56	3	2			29	3	3			30	3	3			35	3	5			27	2	1												
15	95	5	3			56	4	3			30	4	3			33	4	3			37	3	5			28	2	1												
16	96	5	4			56	5	3			33	5	4			39	4	5			41	4	4			29	2	2												
17	99	6	5			60	5	6			45	5	9			47	4	6			44	3	4			29	1	2												
18	106	6	8			69	7	9			51	8	8			51	4	5			45	3	5			28	1	1												
19	107	6	7			74	6	10			53	7	7			52	4	5			44	5	4			26	3	1												
20	107	4	9			79	6	6			55	4	6			55	3	5			44	2	6			24	1	1												
21	107	8	10			80	9	6			56	8	6			55	4	5			42	4	5			23	1	1												
22	105	9	6			83	6	8			56	8	5			56	4	6			41	4	5			23	1	1												
23	107	8	6			83	6	8			58	6	9			55	5	4			40	4	6			22	2	1												

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month September 19 59

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	2	9.5	15.0	129	6	4	10.0	16.0	103	9	4	10.0	15.5	87	7	10	*14.5	*23.0	57	8	6	7.5	12.0	60	7	4	*4.5	*7.5	46	2	2	2.0	5.0	24	2	2	2.0	4.0
01	156	0	3	9.5	15.5	131	4	4	11.0	16.5	106	6	6	10.0	17.5	87	8	11	12.5	23.5	57	3	6	8.5	13.0	62	5	5	4.5	8.5	46	2	4	3.0	5.0	24	2	2	2.5	4.0
02	154	2	1	10.5	17.0	131	3	4	11.0	18.0	107	6	7	12.0	18.5	89	4	13	12.0	21.0	57	6	4	9.0	15.5	66	3	7	5.5	10.0	44	4	3	3.0	5.0	22	3	0	2.0	4.0
03	156	2	3	11.5	17.5	133	4	6	12.0	19.5	109	4	10	11.5	20.0	89	4	15	*15.0	*24.0	57	7	7	9.0	15.5	64	9	5	*3.5	*8.0	44	2	4	2.5	4.5	22	2	0	1.0	2.5
04	156	2	4	12.0	19.0	133	4	4	12.5	20.0	109	4	9	12.0	20.0	87	6	12	12.5	22.5	57	7	7	*9.0	*15.5	54	12	4	5.0	9.0	42	2	6	3.0	6.0	22	2	0	1.0	3.0
05	156	3	4	12.5	19.5	133	4	4	12.0	19.5	107	5	7	13.0	20.0	85	6	14	*11.0	*18.5	57	6	9	*8.0	*13.0	52	6	6	*6.5	*10.5	40	2	6	4.0	7.0	22	0	0	1.5	3.0
06	156	4	2	13.0	20.0	129	4	2	13.0	21.0	97	7	5	13.0	20.0	65	16	8	*11.0	*16.0	55	8	7	*8.0	*14.5	52	4	2	4.0	7.0	40	3	5	*3.0	*6.0	22	0	0	1.5	3.0
07	154	4	2	12.5	19.5	123	4	4	12.5	20.5	81	15	10	*6.5	*8.5	57	16	4	3.5	6.0	41	9	4	3.5	6.0	42	5	2	*7.5	*12.5	38	4	2	4.0	7.0	24	2	4	2.5	4.0
08	152	4	2	12.0	18.0	115	6	4	14.0	20.0	81	16	12	*17.0	*25.0	55	18	4	*4.0	*6.0	35	4	4	2.5	4.5	36	4	6	*4.0	*6.0	32	2	4	6.5	9.5	22	2	2	3.0	5.0
09	152	3	4	11.0	17.0	115	6	11	16.5	22.0	81	16	13	*14.0	*20.0	57	14	6	*3.5	*5.5	35	4	6	*2.5	*4.0	26	6	6	2.5	4.5	26	4	4	*6.0	*9.0	22	2	4	3.0	6.0
10	152	4	3	11.0	17.0	115	8	9	15.0	22.5	81	11	16	13.0	17.5	59	10	7	8.0	11.5	33	4	4	3.0	5.0	26	6	2	*5.0	*7.0	24	4	4	*5.5	*12.5	20	2	4	3.5	5.5
11	152	2	4	11.0	17.0	113	9	8	*13.5	*19.5	75	14	12	*13.0	*16.0	55	8	4	7.5	10.0	32	5	3	3.0	5.0	26	2	4	*3.5	*5.5	22	6	6	*9.0	*12.5	18	2	3	3.0	5.0
12	152	3	4	9.5	15.0	113	8	7	14.0	21.0	77	13	15	*11.0	*16.5	57	16	6	*3.0	*6.0	31	4	2	*2.5	*4.5	25	5	3	*4.0	*6.0	22	6	6	*6.0	*9.5	18	2	2	*4.0	*6.5
13	152	2	2	11.0	17.0	113	6	6	15.5	20.5	77	15	14	*11.5	*19.0	55	12	4	*9.0	*11.5	31	2	2	*3.0	*5.0	26	2	4	*3.5	*5.5	22	5	6	*6.5	*10.0	20	2	2	*3.0	*4.5
14	152	3	4	11.5	17.5	115	6	8	*17.0	*23.0	79	12	12	*13.0	*17.5	59	8	6	*9.0	*18.0	31	6	2	*3.0	*5.0	26	2	4	*4.0	*6.0	24	3	6			24	0	4	3.0	5.0
15	150	4	2	11.0	16.5	113	6	4	16.5	21.0	79	14	12	*5.5	*8.5	57	12	4	*3.0	*5.0	31	5	4	*3.0	*5.0	28	4	2	*7.0	*9.5	26	4	4	*7.0	*12.0	24	4	2	3.0	5.5
16	152	2	4	11.0	16.5	113	6	8	15.0	20.0	77	12	16	*12.5	*15.0	55	18	2	*4.5	*6.5	32	6	5	3.5	5.5	34	4	8	*6.5	*10.0	32	4	2	*5.0	*9.0	26	4	2	3.0	6.0
17	150	4	3	11.0	17.0	110	8	5	11.5	15.5	74	19	8	*5.5	*9.0	55	15	4	*8.0	*11.0	33	4	4	2.0	3.5	38	6	8			39	3	1	5.0	8.0	28	2	6	4.0	6.5
18	150	4	2	12.0	18.0	113	6	2	9.0	14.0	87	9	6	5.5	9.0	60	15	6	*4.5	*6.0	37	4	6	3.5	5.5	46	4	4	*7.5	*11.5	42	3	2	4.5	8.0	26	3	3	4.0	6.0
19	150	2	2	9.5	16.0	119	7	4	7.5	13.0	94	9	6	9.0	13.5	69	16	8	*9.0	*15.5	47	9	8	6.5	10.5	50	5	5	*6.0	*10.0	44	2	3	5.0	9.0	26	2	3	3.5	6.0
20	152	2	2	9.0	15.0	121	9	2	8.0	13.0	98	8	11	9.5	16.0	76	13	9	*9.0	*15.0	52	7	9	9.5	16.0	53	3	3	*7.5	*11.0	44	2	2	5.0	8.5	26	4	2	3.5	6.0
21	153	4	3	9.0	15.0	124	8	3	8.0	13.0	101	10	6	11.0	17.0	81	13	9	*9.0	*14.0	55	10	7	10.0	15.0	54	4	1	4.5	9.0	44	2	2	4.0	7.0	25	3	3	3.0	5.0
22	154	3	2	8.5	14.0	126	6	3	9.0	14.0	101	11	6	*9.0	*15.0	85	10	13	*14.0	*23.0	57	7	6	8.0	14.0	58	5	4	5.5	10.0	44	2	2	3.0	5.0	24	4	2	2.0	4.0
23	155	3	3	9.5	15.0	127	8	3	11.0	17.0	103	9	4	12.5	19.0	83	14	6	*13.0	*21.0	57	6	5	9.0	13.5	58	2	4	5.0	9.5	46	2	2	2.5	5.0	26	0	4	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month October 1959

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	3	2	10.0	17.0	129	6	3	10.0	16.5	106	9	8	10.0	17.0	83	13	8	*11.0	*19.0	57	8	5	8.5	13.5	60	7	4	4.0	8.0	42	4	2	3.0	5.5	24	0	2	2.0	4.0
01	152	6	0	10.5	17.5	131	6	2	11.0	17.5	106	10	4	10.0	17.0	85	12	10	11.5	17.5	57	6	6	*8.5	*13.0	60	6	5	6.0	11.5	40	6	2	3.5	6.0	22	2	0	2.0	4.0
02	152	6	1	10.0	17.0	131	5	2	10.0	17.0	106	10	5	10.5	17.5	85	10	9	10.5	17.5	57	6	6	8.0	13.0	62	6	6	*6.0	*11.0	40	6	6	2.5	5.5	22	2	0	1.5	3.0
03	154	4	4	11.0	17.5	133	2	4	11.5	18.5	106	10	4	11.5	19.0	83	13	5	11.0	18.5	57	6	7	8.0	13.5	62	9	6	*6.5	*10.5	38	4	4	3.5	6.0	22	2	0	1.0	3.0
04	154	2	3	11.5	18.0	133	2	4	12.0	19.0	106	10	4	12.0	19.0	82	14	7	*10.0	*17.0	57	6	9	7.0	12.0	54	8	8	5.0	9.0	36	5	4	3.5	5.5	22	2	0	1.0	3.0
05	154	4	2	11.5	17.5	131	4	2	12.0	19.0	104	10	4	11.0	18.0	81	14	9	*10.5	*17.5	55	10	6	8.0	13.5	48	6	3	6.0	10.0	36	5	4	3.0	6.0	22	2	0	1.5	3.0
06	154	4	2	10.5	16.0	131	3	4	11.0	18.0	100	10	8	11.5	19.0	69	11	7	*13.5	*19.0	53	9	4	7.0	10.5	50	4	4	4.5	7.5	38	4	4	3.0	6.0	22	2	0	1.5	3.0
07	154	2	2	10.5	17.0	121	4	2	11.0	17.0	84	13	13	*9.0	*15.0	61	13	10	*7.0	*13.0	47	6	8	4.5	9.0	44	3	4	*5.0	*7.5	40	4	2	3.5	6.5	23	3	1	3.0	5.0
08	152	3	3	11.0	17.0	113	6	3	11.0	16.5	75	16	15	*10.5	*16.5	55	14	4	*8.0	*12.0	38	11	6	4.0	7.5	40	3	10	*6.0	*11.0	34	2	2	5.0	8.5	22	2	0	4.0	6.0
09	151	3	3	11.0	17.0	109	8	6	11.0	16.0	78	11	17	*14.0	*23.5	55	7	6	*4.5	*8.0	41	7	9	3.5	6.5	24	6	6	3.5	6.0	28	4	5	*5.0	*8.5	22	2	2	*4.0	*7.0
10	150	4	2	10.5	16.5	107	14	5	14.0	19.5	78	13	16	*13.5	*24.0	55	8	7	5.5	10.5	31	6	2	3.0	5.0	28	4	4	4.5	8.0	24	4	4	*6.0	*8.0	20	2	2	3.0	5.5
11	149	5	3	11.0	17.0	111	8	9	14.5	21.0	74	15	11	*10.5	*19.0	53	10	5	4.0	6.0	31	2	2	3.0	5.0	26	6	4	*4.0	*6.5	23	5	5	*5.5	*9.0	19	1	3	2.0	4.0
12	150	4	4	11.0	18.0	108	12	6	12.5	17.5	69	20	7	*13.0	*17.0	53	8	6	3.0	6.5	31	2	2	2.5	4.5	26	4	4	*5.0	*7.0	22	3	3	*6.0	*10.0	20	0	3	*3.0	*5.0
13	150	4	6	13.0	19.0	111	8	8	15.0	19.5	73	13	11	*12.0	*19.5	53	12	4	*5.0	*11.0	31	4	2	2.0	4.0	26	6	2	*3.5	*6.0	22	4	4	*7.0	*11.0	20	2	2	*2.5	*4.0
14	148	6	2	13.0	19.0	108	15	3	*12.5	*18.0	68	22	6	*11.0	*17.0	51	16	4	*4.5	*7.5	33	4	4	3.0	4.5	28	6	6	*2.5	*5.0	22	6	4	*3.0	*5.5	22	2	1	*2.5	*4.5
15	148	4	2	13.5	20.0	107	8	5	11.5	17.0	69	22	8	9.0	14.0	53	12	6	4.5	11.0	31	6	2	3.5	6.0	28	8	6	*6.0	*10.5	28	4	6	*5.5	*9.0	24	4	2	3.0	5.0
16	148	4	4	14.0	20.5	107	12	6	11.0	15.5	70	20	11	*10.0	*15.5	55	13	7	4.0	8.0	31	8	2	2.5	4.0	31	9	5	*6.0	*9.5	34	4	2	*4.0	*7.0	26	2	4	2.5	5.0
17	148	5	3	12.5	19.0	107	12	6	10.0	14.0	74	22	10	6.5	12.0	57	11	8	3.5	8.0	33	12	4	3.5	6.5	38	8	7	*9.5	*15.5	40	2	4	4.0	7.0	26	2	3	3.0	5.0
18	148	5	3	11.5	18.0	109	12	2	8.0	13.0	85	15	7	8.5	13.5	67	11	10	5.0	9.0	40	8	6	2.0	4.0	48	2	10	*4.0	*8.0	42	2	4	4.0	7.5	26	2	2	3.0	5.0
19	150	2	4	10.0	16.5	115	14	5	10.0	15.5	88	15	4	*11.0	*17.0	73	14	8	*6.5	*9.0	47	8	5	4.0	8.0	50	4	5	*5.0	*9.0	42	3	2	4.0	7.0	26	2	2	3.0	5.5
20	152	2	5	10.0	16.0	118	10	5	11.5	16.5	93	14	4	12.0	17.5	75	14	10	*11.0	*15.5	53	6	8	8.0	11.5	52	5	3	5.0	10.0	42	4	0	3.5	6.5	26	2	2	2.5	5.0
21	152	4	3	10.0	16.0	121	11	8	12.0	19.0	98	10	10	11.5	18.5	77	16	8	9.0	14.0	55	8	6	6.0	10.0	56	4	5	5.0	10.0	44	2	4	3.0	5.5	26	2	2	2.0	4.0
22	153	3	3	10.0	16.0	127	4	6	11.0	16.5	100	10	6	10.5	17.0	79	16	6	9.0	14.0	55	10	6	7.0	11.5	58	4	6	5.0	9.0	46	2	4	2.5	5.0	26	2	2	2.5	5.0
23	152	6	0	10.0	17.0	128	8	4	10.5	17.0	104	10	8	10.0	16.0	82	13	6	12.0	19.0	57	6	6	*5.5	*9.0	56	4	2	4.0	7.5	46	2	4	2.5	5.0	24	2	0	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF · RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month November 1959

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	2	9.0	15.0	129	4	4	9.0	14.5	102	6	8	12.0	17.0	79	10	6	*12.0	*19.0	55	6	6	6.5	11.0	61	4	4	*5.0	*9.0	40	6	4	3.0	5.0	24	1	2	1.5	3.0
01	154	4	2	9.0	15.5	129	6	2	9.0	14.5	102	8	6	10.5	16.0	79	8	6	11.0	18.0	55	7	9	4.5	9.5	61	7	7	*8.0	*13.0	40	4	6	3.5	6.0	22	4	0	2.0	3.5
02	154	2	2	10.0	16.0	131	2	4	9.5	16.5	102	8	6	10.0	17.0	81	6	10	10.0	16.0	55	4	7	5.5	11.0	61	6	8	5.0	9.0	38	7	5	3.5	6.0	22	3	0	1.5	3.0
03	154	2	2	9.5	15.0	131	4	4	10.0	15.5	104	6	8	11.0	17.5	81	6	8	8.0	15.5	55	5	10	6.5	9.0	59	8	6	*5.5	*11.0	38	5	6	2.5	5.0	22	3	0	1.5	3.0
04	154	2	2	9.5	15.0	131	6	4	11.0	18.0	104	6	8	12.0	19.0	83	6	10	12.0	18.0	55	6	5	*5.0	*10.0	53	13	8	4.5	8.0	36	4	4	3.5	6.0	22	3	0	1.5	3.0
05	156	2	4	10.0	16.5	131	6	4	11.5	17.0	104	4	10	10.5	17.5	81	10	8	*13.0	*19.0	55	6	7	5.0	10.0	49	4	5	4.5	8.0	36	4	6	2.5	5.0	22	3	0	1.5	3.5
06	156	2	2	10.0	16.5	131	4	4	11.0	16.5	100	8	6	*10.0	*17.5	73	8	9	*8.0	*12.0	55	6	10	6.0	11.0	47	6	2	3.0	6.5	36	6	4	2.5	5.5	22	2	0	2.0	3.5
07	156	2	2	10.5	16.5	123	4	2	9.5	16.0	80	10	8	12.5	19.5	63	8	16	4.0	9.0	47	8	8	5.0	10.0	47	4	5	3.5	7.0	40	4	4	3.0	5.0	24	2	2	1.5	3.5
08	152	2	4	10.5	16.0	115	4	4	10.5	16.0	72	14	12	*14.5	*24.0	53	11	6	*5.0	*7.0	35	11	7	*6.0	*9.5	39	4	9	*7.5	*16.5	38	2	4	3.5	7.0	22	4	2	2.5	5.0
09	150	4	2	11.5	17.5	107	10	6	10.0	16.0	70	22	12	*10.0	*17.0	52	14	5	*2.5	*4.0	41	3	11	*3.0	*4.5	25	10	6	*6.5	*10.0	32	2	6	*4.0	*6.5	22	2	2	*2.5	*4.5
10	150	2	4	10.0	15.5	106	15	7	11.0	16.0	66	24	6	*9.0	*12.0	55	16	6	*4.0	*6.5	31	5	3	*3.0	*5.0	29	3	6	*4.0	*9.0	27	3	5	*6.5	*11.0	20	2	2	3.5	5.5
11	149	3	3	11.0	17.0	109	12	8	14.5	21.5	67	23	7	*19.5	*26.5	51	22	6	*2.5	*4.0	29	4	2	*3.0	*5.5	27	4	4	*3.0	*9.5	24	4	6	*6.0	*10.0	18	2	2	*3.0	*5.0
12	148	4	2	12.5	18.5	107	10	8	15.0	21.0	66	18	6	*17.5	*19.0	51	8	6	*3.0	*5.0	29	8	4	*3.5	*5.0	25	7	2	*4.0	*5.5	22	5	4	*7.0	*10.0	18	2	0	*2.5	*5.0
13	148	4	2	13.0	19.0	105	10	4	14.5	17.5	64	18	6	16.5	25.0	49	9	4	*3.0	*5.0	29	6	2	*5.0	*7.0	28	3	6	*3.0	*6.0	22	5	3	*4.5	*6.5	20	2	2	2.0	4.5
14	148	2	2	14.5	21.5	107	8	6	15.5	21.0	66	18	8	*8.5	*14.0	52	5	7	*3.0	*5.0	31	5	5	4.0	5.5	29	6	6	*4.0	*6.5	26	4	8			22	2	2	2.5	4.5
15	148	2	2	13.0	20.0	107	6	6	*13.0	*18.0	64	18	4	*7.0	*8.5	51	16	4	*6.0	*9.0	29	5	4	3.5	5.5	31	5	6	*8.0	*13.5	28	10	4	*4.0	*7.5	24	2	2	*3.0	*5.0
16	148	2	4	13.0	20.0	103	8	2	13.0	18.0	64	18	6	*15.0	*23.0	53	16	6	*3.5	*5.5	31	12	7	*3.0	*4.5	35	10	10	*6.0	*10.5	36	4	4	3.5	6.5	24	2	2	*3.0	*5.0
17	148	2	4	11.0	18.0	103	8	4	7.0	11.0	72	10	8	9.0	13.5	59	10	10	*4.0	*6.5	33	10	6	*6.0	*11.0	39	8	6			40	2	4	4.0	7.0	24	2	2	3.0	5.0
18	148	2	2	9.0	15.0	109	8	6	9.0	14.0	82	14	8	*10.0	*16.5	65	8	6	*5.5	*7.5	45	4	12	*4.0	*7.0	49	3	5	*5.5	*9.0	40	4	2	3.5	6.0	24	2	0	2.5	5.5
19	150	0	4	8.0	13.5	113	8	6	8.5	14.0	90	6	10	*15.0	*22.5	73	16	8	*6.5	*10.5	49	7	9	5.0	12.5	51	4	4	*6.0	*12.0	41	3	3	4.5	7.0	26	2	2	2.5	5.0
20	152	2	4	7.5	12.5	117	8	8	10.5	16.0	88	14	6	12.5	20.0	73	12	8	*8.5	*17.0	53	8	10	5.0	10.0	55	6	4	*4.5	*8.5	40	4	3	2.5	5.0	26	2	2	2.5	5.0
21	152	2	2	7.0	12.0	119	8	6	12.0	18.0	94	8	10	14.5	20.5	77	8	10	*14.0	*24.5	53	4	7	*5.5	*12.5	57	6	4	*6.0	*11.0	42	4	2	3.0	5.5	26	2	2	2.0	4.0
22	154	2	2	7.5	12.5	123	6	2	10.0	15.5	96	10	6	*12.0	*19.0	77	10	6	*7.0	*11.0	53	6	7	6.0	12.0	58	4	5	6.0	10.5	44	2	2	2.5	5.0	26	2	4	2.5	4.0
23	154	2	2	8.0	14.0	127	4	2	8.0	13.0	98	10	4	*10.5	*16.0	77	12	4	10.5	17.0	53	4	4	5.5	9.0	57	4	4	*5.0	*8.5	44	2	4	4.0	6.0	24	2	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month September 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	158			11.0	17.5	132	6	4	11.0	18.5	111	7	9	8.5	16.0	91	7	10	8.0	15.5	58	9	5	6.5	11.0	57	6	6	6.0	10.0	47	7	5	5.0	9.0	24	5	2	2.5	4.5
01	158					134	3	7	9.5	16.5	111	6	9	8.5	15.0	89	11	10	7.5	14.0	58	8	9	5.5	10.5	55	8	5	6.0	11.0	42	4	2	4.5	8.5	24	2	2	1.5	3.0
02	158			11.0	16.5	132	7	3	11.0	17.5	112	8	8	8.5	15.0	89	10	8	8.5	12.5	58	11	5	8.0	14.0	55	8	3	6.0	10.5	44	4	4	4.5	9.0	24	2	2	1.5	3.0
03	156			12.0	18.5	132	9	4	10.0	16.5	111	7	9	7.5	15.0	88	13	7	7.5	15.5	58	12	7	7.5	14.0	57	5	5	5.5	10.0	42	6	3	4.0	7.5	23	2	1	1.5	3.5
04	156			12.5	19.0	133	8	5	10.5	18.0	111	9	7	8.0	15.0	85	10	6	8.0	15.5	58	11	7	7.0	13.0	56	7	4	5.5	10.5	41	5	3	6.0	9.0	22	2	0	1.0	3.0
05	158			11.0	18.0	128	13	4	11.5	19.0	101	23	11	9.5	16.5	69	35	4	8.0	18.5	56	11	8	7.5	14.0	59	5	10			44	6	4	5.0	8.5	24	4	2	2.5	4.0
06	154			11.5	18.5	123	14	5	11.0	18.5	88	28	15	9.0	14.0	66	26	3	6.0	12.0	44	15	7	6.5	11.5	43	11	10			40	6	6	4.5	7.5	26	4	2	3.5	7.5
07	154			10.5	17.0	118	16	4	11.5	20.0	87	28	10	7.0	12.0	69	26	4	6.5	13.0	38	14	4	8.0	11.5	35	14	8	7.0	11.0	36	8	6	5.5	9.5	26	4	4	5.5	8.5
08	155			12.5	19.0	119	16	5	12.5	22.5	89	30	14	12.5	21.0	67	32	2	1.0	5.0	32	25	2	5.0	8.0	33	10	8	4.5	8.0	32	10	8	3.5	7.0	26	6	4	4.0	7.5
09	154					122					91			7.0	11.0	70			5.0	9.0	32	24	4			33					32					24				
10	153					122	6	11	14.5	23.0	87	18	9	10.5	18.0	69	27	4			32					29	6	4			28	10	8			23	4	3	4.0	6.5
11	154			13.5	21.0	122	9	6	13.5	23.0	89	13	10	4.5	7.5	67	30	2	4.5	8.5	32	18	4	6.0	6.0	29	11	4	4.5	7.0	28	10	8	5.0	7.5	24	6	4	4.0	7.0
12	154			13.5	21.5	122	13	8	13.0	22.0	87	28	8	7.0	13.0	72	22	3	4.5	7.5	32	16	4	6.5	9.0	27	10	4	6.0	9.0	26	12	6	7.5	12.0	24	4	4	2.5	5.0
13	155			11.5	19.0	122	12	6	14.0	21.5	86	26	7	7.0	10.0	69	19	2	2.0	8.5	32	14	4	5.0	8.5	27	11	4			30	10	8	4.0	8.0	24	4	2	4.5	8.0
14	156					122	13	4	12.5	20.5	85	29	6	8.0	11.5	71	16	4	4.5	8.0	30	22	2			29	14	4			33	9	7	6.5	10.0	30	10	6	3.5	6.5
15	157			8.5	15.0	122	8	4	8.0	14.5	83	18	6	9.5	14.0	68	6	4	8.0	13.0	32	8	4	4.5	7.5	31	16	6	6.5	9.5	36	4	4			29	6	3	3.5	6.5
16	158					122	6	6	9.5	16.0	85	13	10	4.5	7.0	69	4	4	5.5	11.0	36	8	2	5.0	8.0	39	10	11	50	10.0	42	13	5	3.5	6.5	30	7	3	3.0	6.0
17	158			5.0	8.0	123	8	8	9.5	16.5	89	16	12	10.5	14.0	72	7	4	5.0	9.5	42	4	6	4.5	8.0	51	9	10	3.0	5.0	46	12	5	4.5	8.0	30	6	6	4.0	7.5
18	156			7.5	13.0	123	14	6	9.5	16.5	101	10	7	10.5	18.0	85	8	7	7.5	12.0	47	13	5	5.5	11.0	63	6	9	4.5	9.0	48	12	4	5.0	8.5	30	6	4	3.5	6.5
19	156			8.5	15.0	128	7	4	10.0	17.5	105	9	5	8.0	15.5	89	6	4	4.5	9.0	56	10	5	6.5	12.0	71	5	6			50	12	4	4.5	8.0	28	8	2	2.5	4.5
20	158					130	6	5	9.5	16.0	109	5	9	7.5	14.0	91	6	4	5.5	10.0	60	5	6	6.5	11.5	71	4	4	10.0	15.0	50	14	4	3.0	6.5	26	4	2	2.0	4.0
21	158			11.5	18.0	132	6	4	9.5	15.0	109	4	9	6.5	13.0	91	8	3	8.5	15.0	60	6	6	5.0	10.0	73	6	8			50	14	4	6.0	10.5	26	4	2	2.0	4.0
22	158					132	5	4	11.0	19.0	109	6	5	8.5	15.0	94	5	7	9.5	9.5	60	8	8	6.0	11.0	73	7	8	2.0	5.0	50	8	4	3.5	7.5	24	4	0	2.0	4.0
23	158			11.5	18.0	134	5	7	10.0	16.5	110	7	9	8.0	15.5	95	5	8	6.0	10.5	59	7	7	7.5	11.0	63	15	9			48	9	2	4.0	8.0	24	5	2	2.0	6.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month October 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	4	2	9.0	14.0	132	8	3	*9.5	*17.0	113	6	9	*7.0	*13.0	91	7	9	*9.0	*16.0	60	8	11	5.5	10.0	57	7	8	5.0	8.0	53	8	4	3.5	6.5	23	8	0	1.5	3.0
01	152	2	2	9.0	14.5	132	6	4	11.5	18.0	111	6	6	*8.5	*14.5	89	6	10	*8.5	*15.0	58	10	6	5.5	10.0	54	7	5	6.5	10.0	51	9	9	4.0	8.0	23	3	0	1.0	3.0
02	152	2	2	9.5	15.5	132	5	5	10.5	17.5	111	6	6	*9.5	*17.0	89	6	8	*8.5	*15.0	58	8	8	10.5	15.5	53	7	5	5.5	10.0	47	11	6	7.5	12.0	23	2	0	1.0	2.5
03	154	2	4	10.0	16.5	130	7	4	*12.0	*20.5	109	8	4	*9.0	*16.5	89	6	10	*10.5	*16.5	56	12	7	6.5	13.0	53	9	5	5.5	10.5	41	15	4	5.0	7.5	23	1	0	1.0	2.5
04	152	6	2	10.0	17.0	132	6	6	*11.5	*18.5	109	7	7	11.0	20.0	87	7	11	*7.0	*12.0	53	13	7	6.5	14.5	52	10	5	6.5	13.0	38	12	5	4.0	6.0	23	2	2	1.0	2.5
05	154	4	4	11.0	17.0	128	7	5	*10.0	*17.5	103	9	12	*11.5	*19.0	73	15	4	*6.5	*11.5	55	11	10	6.0	12.5	67	11	13	7.0	12.0	41	9	4	4.0	7.0	23	2	1	*1.5	*3.5
06	152	4	4	11.0	17.0	122	8	6	*13.0	*20.0	93	18	19	*6.5	*10.5	71	16	6	*6.0	*10.5	44	10	6	8.5	12.0	48	7	6	4.5	7.5	41	5	4	4.5	8.0	25	6	2	*4.0	*6.5
07	150	6	2	10.5	17.5	120	11	12	*11.5	*16.5	85	26	9			71	13	6	*6.0	*11.0	38	10	2	7.5	13.0	34	6	6	4.5	6.5	34	6	6	8.0	12.5	25	8	2	*7.5	*3.5
08	148	8	2	12.5	18.5	118	12	12	*12.0	*20.0	91	20	15	*2.0	*4.0	69	18	6	*2.0	*4.5	34	9	4	4.0	6.0	33	7	4	6.0	9.0	35	10	8	8.0	11.5	25	10	4	*2.0	*3.5
09	*150			14.0	21.5	*119					*89					*73					30	14	2			*31					*29					*24			*3.5	*10.0
10	*149			13.5	20.5	119	12	9	*8.5	*13.0	92	16	14			68	17	3	*4.5	*8.0	*36					31	8	6			31	8	6			27	9	6	*4.0	*6.5
11	*150			19.0	21.0	116	16	6	*2.5	*3.5	87	24	10	*10.0	*9.0	67	22	4	*4.0	*7.5	32	10	4	4.5	6.5	31	4	4	7.5	11.0	29	8	4	7.0	11.5	25	8	2	*2.0	*5.0
12	*148			15.5	22.5	120	10	12	*15.0	*22.0	85	22	10	*5.5	*8.5	71	11	4	5.0	8.5	30	14	2	5.0	7.5	29	7	4	7.5	11.5	29	8	6	7.5	11.0	27	5	4	*3.0	*4.5
13	148	8	4	12.5	20.5	117	14	7	*10.5	*20.5	88	20	14	*3.0	*7.0	70	11	5	*7.5	*15.0	30	8	2	6.0	10.0	29	6	5	8.0	12.0	31	10	4			27	4	4	*2.0	*4.5
14	150	6	2	12.5	19.0	116	14	4	*10.5	*18.0	87	22	11	*8.0	*12.0	71	11	4	*5.5	*9.5	32	9	5	3.5	5.5	31	10	4	2.5	3.5	35	6	4	4.0	7.0	29	3	4	*3.5	*6.0
15	152	2	4	11.5	19.0	114	16	4	*9.5	*16.0	87	21	14	*5.0	*7.5	71	15	6	*6.0	*11.5	32	11	3	4.5	7.0	41	8	8	12.0	13.0	41	4	4	4.0	7.5	29	6	3	*2.5	*5.5
16	150	6	2	11.0	17.5	116	14	9	9.5	*15.0	89	19	14	*12.0	*23.5	71	17	6	*5.5	*9.5	40	13	5	6.5	11.0	53	9	13	2.0	13.0	45	4	4	2.5	6.5	29	8	2	*4.0	*6.0
17	150	8	4	10.0	17.0	118	14	10			93	20	7	*4.0	*8.0	83	14	7	*8.0	*14.5	48	12	6	7.0	12.5	65	6	12	6.5	11.5	51	8	6	5.0	8.5	29	7	3	*4.0	*6.5
18	150	8	0	11.0	18.0	124	10	6	*11.0	*17.0	103	12	8	8.5	15.5	90	8	8	*1.0	*1.5	52	12	6	8.5	12.5	63	4	7	5.0	10.5	53	8	7	4.5	8.0	29	10	4	*3.0	*5.0
19	152	6	2	11.0	17.5	128	7	6	9.5	17.0	105	11	8	*5.0	*10.0	93	6	7	*6.5	*9.5	54	13	8	6.5	12.5	68	6	5	6.5	12.0	51	9	5	3.5	7.0	27	4	3	*3.0	*5.0
20	154	2	2	10.5	17.0	130	5	5	9.0	17.0	109	8	9	*8.5	*15.0	93	7	6	*4.5	*8.5	56	13	6	6.0	11.5	67	8	6	6.0	12.0	51	9	5	4.0	8.5	25	5	0	*1.5	*3.0
21	154	2	4	11.0	16.5	132	7	6	11.0	19.0	111	9	10	*9.5	*17.0	97	4	8	*9.5	*16.0	57	14	7	7.5	12.0	71	4	9			50	9	4	4.0	8.0	25	3	2	25	3.5
22	154	2	4	10.0	15.5	132	7	6	*11.5	*19.0	110	12	9	*9.0	*16.5	97	6	6	*8.0	*16.0	58	12	8	9.5	16.0	71	11	11	6.0	10.5	51	11	6	5.0	9.0	25	3	2	1.5	3.5
23	154	4	4	9.0	14.0	132	7	4	11.5	18.0	113	6	10	*6.5	*12.0	95	8	6	*8.0	*15.5	60	9	11	7.0	13.0	61	12	13	5.0	8.5	51	9	4	2.5	5.0	25	2	2	*2.0	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month November 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	4	2	7.5	12.5	129	5	5	10.0	16.5	107	9	6	8.5	14.5	82	10	7	*7.0	*13.5	51	11	7	6.0	11.0	53	9	4	6.0	10.5	45	16	6	4.5	8.5	23	3	0	1.5	3.0
01	152	2	2	*6.5	*11.0	130	6	6	*9.5	*18.0	107	9	6	7.0	11.5	82	12	5	7.0	13.0	52	11	7	5.5	9.0	52	7	5	3.5	7.5	47	10	10	5.0	9.0	23	2	2	1.0	2.5
02	154	2	4	8.5	13.0	130	6	6	*10.0	*16.0	107	10	4	*8.5	*15.5	81	12	5	*8.5	*15.5	50	11	6	6.5	11.0	51	4	6	6.5	10.5	46	15	9	3.5	7.0	23	2	2	1.0	2.5
03	152	4	2	8.5	14.0	130	6	4	10.0	16.0	105	7	4	*9.0	*16.0	80	9	4	*8.5	*14.5	50	10	5	5.0	9.0	49	4	3	6.0	10.0	47	11	11			23	0	2	1.0	2.5
04	154	0	4	8.5	14.0	130	4	6	*10.0	*17.5	107	5	8	*9.0	*15.5	78	10	2	*6.5	*11.5	48	11	4	5.5	9.0	49	4	3	4.0	8.0	35	10	5	2.0	5.0	23	0	2	1.0	2.5
05	154	0	4	*11.0	*17.5	129	3	6	*12.0	*19.0	99	11	6	*10.5	*18.5	73	14	5	*4.5	*8.0	47	14	4	5.0	7.0	71	4	12			35	4	5	4.0	7.5	23	1	0	*1.0	*3.0
06	152	2	4	9.5	16.0	120	4	6	10.0	16.5	81	20	10	*7.5	*15.0	72	10	8	*5.5	*10.5	44	9	4	4.5	8.0	55	11	8			39	6	2	4.0	6.5	25	0	2	2.0	3.5
07	150	0	4	*10.0	*15.5	114	8	6	*9.5	*15.5	77	23	8	*11.0	*14.5	66	7	3	*3.0	*7.0	36	9	2	9.5	12.0	39	14	8	6.5	11.0	35	7	2	3.0	5.5	25	2	2	2.5	5.0
08	150	2	4	*11.5	*18.0	108	8	6	*11.5	*18.5	79	14	8			65	9	3	*5.5	*10.0	30	6	2	4.5	7.5	32	8	5	7.5	10.0	33	6	4	7.0	10.5	25	2	2	*3.0	*4.5
09	150	3	2	*14.0	*21.5	*111			*17.0	*26.0	*84					*69			*7.5	*13.5	30	6	5	5.0	7.0	30	9	3	5.5	8.0	*27					*23			*3.0	*5.0
10	150	4	4	*14.0	*21.5	116	6	8	*14.0	*23.5	81	16	12	*7.0	*25.0	68	8	4	*4.0	*8.5	30	8	2	4.5	8.0	31	9	4	8.5	11.5	29	10	4			23	4	0	*2.5	*4.5
11	150	2	4	*13.5	*20.0	114	9	6	*12.0	*20.0	77	26	8	*11.5	*15.0	64	11	2	*4.0	*8.5	30	6	4	4.0	6.5	30	7	3	9.0	12.0	27	8	4			23	10	2	2.5	5.5
12	150	4	4	12.5	20.0	115	9	5	12.0	18.0	79	21	9	*11.0	*13.5	70	7	2	*5.5	*10.0	28	7	0	3.5	5.5	29	12	4	11.0	14.0	27	9	4	3.0	5.5	23	8	1	*2.0	*3.5
13	150	2	2	10.0	16.0	114	7	6	10.0	15.5	79	16	10	*9.5	*12.5	68	6	6	*6.0	*11.0	30	6	2	5.5	7.5	29	13	2	5.5	8.5	29	7	2			25	4	2	2.0	4.0
14	152	0	2	8.0	13.5	112	6	2	9.0	14.0	78	11	8	*6.5	*11.5	70	4	6	*5.0	*9.0	30	10	2	3.5	6.0	33	10	6	5.5	8.0	35	8	4	3.0	6.0	27	3	2	2.5	4.0
15	152	2	2	7.0	11.5	110	4	6	*9.0	*15.0	75	12	6	*5.0	*7.0	68	13	6	*7.0	*11.5	30	6	2	4.0	6.5	47	6	8	0.5	1.0	41	5	4	3.0	5.5	27	8	2	*2.5	*4.0
16	152	0	2	*8.0	*12.5	110	4	8	*9.0	*13.0	77	22	6	*10.5	*15.5	69	11	5	*5.5	*9.0	38	4	3	6.5	7.0	61	10	8	8.5	15.0	45	6	4	1.5	4.5	27	4	0	1.5	3.5
17	150	2	3	8.5	13.5	112	12	6	*10.5	*21.5	89	15	7	*8.5	*14.0	84	8	5	*7.0	*12.5	43	12	5	4.0	6.0	63	11	3	8.0	14.0	49	9	6	4.5	8.0	29	2	4	2.0	4.5
18	152	2	2	8.0	13.0	122	4	4	*5.5	*9.5	95	9	5	*10.0	*15.0	86	8	6			44	12	3	5.0	8.5	65	8	8	8.0	16.0	51	6	6	3.5	6.5	27	2	4	2.0	4.0
19	154	2	4	8.0	13.5	124	6	2	7.0	11.5	97	10	4	7.0	11.0	88	10	6	*6.0	*12.0	48	6	4	5.5	10.0	69	12	9			50	9	7	4.0	6.5	25	4	2	1.5	3.5
20	152	2	2	*9.5	*14.5	128	6	4	7.5	12.0	102	5	5	7.5	12.0	89	8	5			46	10	2	5.0	8.5	71	11	6	7.0	12.5	51	6	6	2.5	5.5	25	2	2	1.5	3.5
21	152	2	2	8.5	13.5	128	4	4	*9.0	*15.5	103	6	6	*7.5	*13.0	92	8	6	*7.0	*13.0	48	10	5	6.0	10.0	75	6	12	5.5	11.0	49	10	8	2.0	5.0	23	4	0	*1.0	*3.0
22	152	2	2	7.5	12.0	128	4	6	*9.0	*15.0	104	8	5	8.0	14.0	90	6	6			48	11	4	5.5	10.0	73	11	10			50	8	10	2.0	5.5	23	3	0	1.0	2.5
23	152	2	3	*8.5	*13.0	128	4	4	*7.0	*13.5	105	6	6	8.0	14.0	90	8	6			49	9	6	5.5	10.0	57	16	6	7.0	14.5	49	10	8	4.5	9.5	23	2	0	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month September 1959

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	126	6	6			*109	10	6			95	9	7			86	5	7			61	4	6			52	6	4			40	5	4			24	4	0		
01	126	6	8			107	8	6			96	8	8			85	8	6			59	5	6			52	4	6			40	2	4			24	2	2		
02	127	6	9			108	7	7			94	10	8			86	9	7			58	8	5			54	4	6			40	2	6			22	2	0		
03	126	8	8			107	13	7			94	16	14			85	13	10			61	2	10			54	4	8			40	4	6			22	2	0		
04	124	12	4			107	13	9			92	14	12			82	16	11			59	8	8			52	7	4			38	4	6			22	2	0		
05	123	12	5			105	8	8			87	9	9			73	15	10			53	14	4			52	8	6			36	6	6			22	4	0		
06	118	12	4			91	19	10			66	21	6			57	4	2			45	8	4			46	8	10			38	6	4			26	4	4		
07	117	9	9			83	24	12			64	20	4			57	4	2			43	2	2			32	8	4			34	6	4			26	8	4		
08	114	12	11			82	21	13			66	18	4			59	10	2			43	2	2			28	5	2			26	12	4			26	5	4		
09	*108					*85					65	24	3			59	7	3			*41					*26					22	12	0			24	6	4		
10	113	13	9			83	26	10			64	17	2			57	6	0			43	2	4			26	8	2			22	10	2			22	6	2		
11	116	9	10			87	8	12			66	16	4			59	6	2			41	6	0			24	8	2			22	8	4			20	6	0		
12	118	6	7			89	20	10			66	19	4			57	6	0			43	4	2			24	9	1			20	11	2			21	3	1		
13	120	4	5			89	18	8			66	26	4			59	16	2			41	4	2			24	9	2			22	12	2			24	2	2		
14	122	5	6			93	18	8			68	28	4			57	22	2			43	5	3			25	9	3			24	13	4			26	4	2		
15	123	7	5			93	19	6			72	28	8			57	26	2			43	4	3			26	5	2			30	10	8			28	1	2		
16	122	8	4			93	23	10			72	32	10			59	28	4			42	7	3			30	6	5			38	6	8			28	18	2		
17	122	4	6			92	23	11			68	24	8			59	16	4			43	6	2			38	12	6			42	6	4			30	2	2		
18	124	6	8			97	20	10			84	8	14			79	10	10			40	13	5			48	12	4			42	8	2			32	4	4		
19	126	6	4			106	9	7			92	6	6			85	6	6			59	8	6			50	12	4			44	6	4			30	10	2		
20	128	6	4			109	8	4			92	8	4			85	6	4			59	8	4			52	8	6			44	6	6			30	6	4		
21	126	6	4			109	6	6			94	6	6			87	6	6			59	9	5			51	9	5			42	8	4			28	6	2		
22	127	5	3			109	6	6			96	4	6			87	6	6			61	6	6			50	10	4			42	6	4			26	6	2		
23	126	6	6			108	9	5			94	8	4			85	8	8			59	9	5			52	6	6			40	4	4			26	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month October 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	134	9	8			119	10	10			105	11	7			94	7	7			65	8	11			56	6	11			44	7	4			26	4	2		
01	132	12	5			115	13	6			103	13	8			91	9	9			63	7	11			56	6	8			46	2	6			25	4	3		
02	132	7	6			115	9	8			102	9	8			90	9	8			63	7	12			56	2	10			44	6	5			24	2	2		
03	132	8	7			115	9	9			100	11	8			90	6	2			63	6	10			54	4	7			42	7	4			24	4	2		
04	130	6	7			111	10	9			94	10	10			84	8	11			59	9	6			54	4	7			42	2	6			24	1	2		
05	126	8	6			105	10	10			83	14	17			58	21	3			55	11	6			52	4	6			41	5	3			24	3	2		
06	124	8	9			101	18	24			70	18	8			56	16	2			43	13	6			38	11	5			38	7	4			26	5	3		
07	118	9	7			90	30	17			69	16	7			56	25	0			39	8	4			30	15	4			34	6	6			24	6	2		
08	118	6	10			91	23	16			75	33	13			*58					39	8	4			26	16	4			27	13	3			*24				
09	*118					91	16	18			70	15	8			58	12	2			*39					24	8	2			24	16	4			22	6	2		
10	120	10	10			94	21	15			66	28	4			58	22	2			41	4	4			24	11	2			24	12	6			22	3	2		
11	122	10	12			95	27	11			74	27	12			58	24	2			41	10	4			24	12	2			23	3	5			22	4	2		
12	124	10	8			101	19	14			74	34	12			60	31	4			41	18	4			24	17	2			26	11	5			24	4	4		
13	128	12	8			113	14	20			96	20	30			78	24	22			41	17	3			27	21	5			32	7	10			26	4	4		
14	132	12	8			121	6	26			104	11	35			87	16	29			48	20	9			37	17	15			37	7	13			28	5	4		
15	135	11	10			123	6	26			106	10	31			90	14	32			54	18	3			42	16	18			40	7	9			30	5	3		
16	140	6	15			125	6	32			111	5	44			94	10	36			57	15	15			46	12	22			44	6	8			32	5	4		
17	139	8	13			124	7	30			111	9	41			90	16	32			62	11	19			52	9	15			46	8	4			32	8	2		
18	140	9	16			127	7	24			112	8	23			96	11	16			67	10	18			58	8	10			49	5	5			32	5	3		
19	142	7	14			125	8	15			110	9	14			96	10	10			69	8	8			58	8	7			48	6	4			30	5	2		
20	139	9	9			126	7	11			110	8	17			97	9	9			69	8	8			58	6	7			48	4	4			32	4	4		
21	138	12	9			123	8	12			110	8	13			97	9	7			69	8	7			58	8	9			46	6	4			30	6	4		
22	136	11	8			122	9	11			110	8	12			98	8	8			69	7	8			57	8	8			45	9	4			28	4	2		
23	138	10	11			121	8	11			110	10	11			96	6	10			67	11	8			56	9	9			44	7	4			27	3	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month November 19 59

Hour (LST)	Frequency (Mc)																																					
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	134	8	8			*119	10	10			106	8	13			97	4	15			64	7	11			*54					*44					25	2	2		
01	134	10	10			121	8	12			104	11	14			95	8	14			63	7	25			*52					*42					25	4	2		
02	134	10	11			119	11	13			102	16	13			93	13	13			63	8	15			*52					*40					24	4	1		
03	134	9	10			119	10	13			102	12	12			91	12	13			*63					*50					*40					23	5	0		
04	132	7	9			117	10	14			99	13	11			83	15	9			59	12	10			*50					39	7	11			23	2	0		
05	125	10	9			105	17	8			74	34	10			57	24	6			47	17	10			50	6	12			40	7	9			23	4	0		
06	122	9	9			103	18	27			70	28	13			57	20	8			39	8	14			32	17	8			*32					25	5	2		
07	118	10	8			101	18	25			70	28	12			59	26	10			33	11	8			24	17	4			34	6	16			24	4	1		
08	*118					96	21	24			72	18	14			*59					*29					22	8	2			26	6	8			23	2	2		
09	*120					*97					*72					59	10	7			*29					*22					*24					23	4	2		
10	122	6	11			103	14	16			76	25	18			61	30	9			*33					22	7	2			*24					22	3	1		
11	126	13	7			112	11	20			92	19	32			69	28	16			35	10	8			22	2	2			22	14	6			25	8	2		
12	130	12	8			116	11	19			100	18	34			79	27	24			39	26	10			22	4	2			*27					25	6	2		
13	135	10	10			121	8	24			106	14	36			93	14	36			46	21	15			25	17	3			*36					29	9	4		
14	139	8	13			125	8	27			111	8	29			100	8	47			*52					*33					*40					29	7	3		
15	143	7	18			129	6	26			112	6	42			97	12	40			*61					*34					*43					31	9	3		
16	142	5	17			127	7	23			112	6	42			95	12	35			57	20	26			*44					*48					33	6	6		
17	140	6	16			127	6	25			114	5	44			99	12	44			55	16	28			51	13	9			*48					33	7	7		
18	140	8	14			127	6	25			112	8	32			97	12	31			*63					*55					48	14	4			33	11	4		
19	142	6	15			129	4	21			109	3	28			95	14	12			67	8	11			*59					*50					31	7	2		
20	140	7	10			127	4	17			110	8	22			97	10	12			69	6	12			*54					49	5	7			30	8	3		
21	138	6	12			125	8	16			108	10	16			97	8	12			65	11	10			*56					*44					29	14	4		
22	134	9	7			123	5	14			*107					95	8	10			64	13	10			54					*48					27	5	3		
23	134	9	8			119	9	10			106	7	14			95	6	10			63	6	7			52					*43					25	4	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month October 19 59

Hour (LST)	Frequency (Mc)																																							
	.051										.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	130	2	2								103	4	6			89	6	4			61	7	5			59	4	6			48	4	5			28	7	2		
01	130	4	2								101	6	4			89	4	4			61	8	6			59	5	4			48	4	3			30	8	4		
02	132	2	4								101	6	4			87	6	6			63	7	7			59	6	5			48	2	4			28	7	3		
03	130	4	4								99	8	4			87	8	8			63	4	9			59	4	4			48	3	8			28	4	4		
04	130	4	4								99	6	8			89	2	8			63	6	10			59	5	5			46	6	5			26	5	2		
05	130	4	4								92	12	4			81	10	4			63	5	12			57	4	3			44	4	7			26	4	2		
06	128	6	2								85	12	6			75	4	8			55	12	8			55	5	3			46	2	4			32	8	6		
07	122	6	4								80	11	5			71	11	13			43	14	6			43	9	7			42	5	2			36	6	8		
08	117	9	6								79	8	2			75	6	22			35	12	4			31	16	2			38	6	4			41	10	11		
09	+113										79	16	4			75	8	16			33	15	5			26	10	3			34	10	6			38	10	12		
10	116	6	8								79	12	2			69	13	10			31	14	2			23	11	4			33	9	6			34	11	4		
11	114	7	6								79	8	4			75	6	18			31	14	4			23	14	4			38	8	12			37	11	8		
12	118	8	8								79	14	4			77	6	20			32	11	3			25	11	6			34	8	8			36	12	9		
13	120	10	4								77	23	4			74	6	17			31	11	3			23	15	4			34	12	8			36	9	5		
14	121	11	5								79	21	4			75	8	15			31	10	4			25	19	6			40	8	10			41	10	11		
15	122	9	4								79	18	4			67	15	14			33	7	6			32	14	7			44	6	10			40	8	8		
16	122	9	4								81	13	6			69	18	10			35	13	6			39	14	8			47	5	7			40	10	6		
17	122	8	4								86	9	7			77	8	6			43	11	6			49	9	7			50	5	6			42	8	8		
18	122	8	4								94	5	7			83	8	4			57	8	7			57	6	5			50	8	4			38	14	6		
19	128	2	4								95	8	4			87	6	2			61	7	5			57	7	6			48	5	4			36	8	6		
20	128	4	2								97	6	4			89	6	4			63	5	8			57	7	6			50	3	5			34	11	6		
21	128	4	2								99	6	4			91	4	4			61	6	6			57	6	5			50	3	5			34	8	6		
22	130	4	4								101	6	6			89	6	2			61	6	6			52	6	4			48	4	4			31	3	5		
23	130	2	2								101	4	4			89	6	4			61	7	5			52	6	5			48	4	4			30	7	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month November 19 59

Hour (LST)	Frequency (Mc)																																							
	.051										.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	131	5	6								103	10	10			84	13	2			62	4	9			60	4	6			48	2	8			39	4	8		
01	131	4	6								103	8	8			88	5	8			61	5	9			59	3	7			46	2	6			35	8	4		
02	131	4	4								103	8	8			86	12	10			60	6	8			58	4	6			44	4	8			35	6	6		
03	131	6	6								103	8	11			86	9	6			60	8	10			60	4	6			44	4	6			33	8	4		
04	131	5	4								101	7	12			84	11	8			60	8	10			56	6	4			42	8	4			31	4	2		
05	131	4	8								99	7	6			80	16	6			60	10	11			56	6	4			42	4	8			31	2	2		
06	129	6	6								95	11	12			83	5	18			56	12	6			58	4	10			44	2	6			37	7	6		
07	123	7	6								91	10	14			81	9	23			56	3	18			52	4	8			42	4	4			47	5	10		
08	119	6	9								88	12	11			76	13	21			34	13	3			49	5	15			40	4	7			45	10	8		
09	115	14	9								86	13	7			80	8	20			32	12	3			40	9	12			38	5	9			49	6	12		
10	*117										84	10	5			72	13	16			*32					*28					38	4	10			45	10	10		
11	117	9	10								83	18	8			82	6	18			32	12	4			24	14	4			40	8	10			51	4	14		
12	117	13	9								83	17	6			78	12	24			34	10	6			30	10	8			38	6	12			45	10	10		
13	117	11	4								91	10	16			84	6	25			32	6	2			26	12	4			34	12	6			49	8	12		
14	117	10	6								89	12	16			78	12	18			34	8	4			24	16	2			42	6	10			49	8	8		
15	117	10	8								83	14	12			74	14	18			34	10	4			40	10	10			42	8	6			49	8	10		
16	117	10	6								91	8	14			84	4	22			38	11	6			40	14	8			48	6	4			51	6	14		
17	117	15	8								93	10	11			86	5	4			48	13	12			50	8	6			50	6	6			57	4	14		
18	123	9	8								95	12	10			86	8	2			56	11	9			59	11	5			48	6	6			45	12	6		
19	125	10	6								97	12	12			88	6	2			58	8	6			56	10	6			48	6	6			43	6	6		
20	127	6	8								99	12	8			90	10	4			58	10	6			60	6	10			50	4	6			43	4	8		
21	127	10	4								99	14	6			90	8	2			58	12	6			60	6	8			50	6	4			43	6	6		
22	129	6	4								103	8	8			90	8	6			60	10	8			58	4	6			48	4	6			37	12	6		
23	129	5	4								101	8	6			88	7	5			62	4	8			58	4	8			46	4	6			33	12	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month September 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	132	7	7	8.0	12.5	120	7	12	7.0	12.5	103	8	7	6.5	11.0	89	10	6	5.5	10.0	65	7	11	5.0	10.0	59	8	8	5.0	10.0	48	5	8	6.0	11.0	29	6	4	3.0	6.0
01	134	5	9	8.0	13.5	122	8	12	7.5	11.5	107	5	11	7.0	14.5	91	8	8	6.0	11.5	63	8	9	5.0	11.5	58	6	11	5.0	10.0	48	5	8	5.5	10.0	27	8	4	3.5	7.0
02	133	5	9	7.5	13.5	121	8	12	6.0	11.0	105	11	9	6.5	12.5	91	8	8	5.5	11.0	66	6	13	5.5	11.5	57	8	9	5.0	10.0	46	8	5	5.0	9.5	25	8	4	2.0	5.0
03	133	6	9	7.0	12.5	118	11	10	7.5	13.0	101	13	7	6.0	12.5	89	7	6	5.5	10.0	65	7	14	6.5	11.5	59	8	10	5.0	11.0	44	7	4	5.5	9.5	23	10	2	1.5	4.5
04	132	7	8	7.5	12.5	120	8	12	*5.5	*10.0	103	10	11	7.0	13.0	89	7	9	6.5	11.5	65	7	15	6.5	12.5	59	7	10	6.5	11.5	42	11	4	4.5	8.5	23	14	2	1.5	3.0
05	132	7	8	7.0	13.5	120	11	12	7.0	12.5	97	13	11	8.0	14.0	81	10	9	*7.0	*11.5	64	7	14	6.0	11.0	59	7	10	5.5	10.0	42	10	6	5.0	8.5	23	7	2	1.5	3.0
06	125	9	9	8.0	13.0	106	15	12	4.5	9.5	79	9	11	*8.5	*16.0	81	4	7	*6.0	*12.5	54	13	13	6.5	11.5	53	8	7	4.5	8.0	44	8	5	5.0	9.0	27	34	4	*3.0	*5.5
07	124	9	14	10.0	16.0	104	17	10	6.0	12.0	80	19	15	*6.0	*12.5	75	11	3	*4.0	*10.0	44	11	12	6.0	10.0	45	8	8	4.0	7.5	44	8	8	4.5	8.0	31	22	6	3.0	5.5
08	120	13	14	10.5	17.5	105	15	11	*9.5	*14.5	83	14	4			79	4	5	*5.0	*9.0	40	12	8	10.0	12.5	39	12	2	*8.5	*14.0	38	8	7	*7.0	*10.5	29	20	8	*5.0	*9.0
09	122	14	16	*12.0	*22.0	103	18	8	*4.0	*10.0	85	10	6	*8.0	*15.0	79	5	5	*4.5	*10.0	40	10	9	*8.5	*12.5	35	11	4	*9.5	*12.5	36	9	6	*4.5	*7.5	25	14	6	5.0	7.5
10	124	8	16	11.5	17.5	106	16	10	6.5	11.5	85	12	8	*11.5	*20.0	79	8	4	*7.5	*12.5	38	15	6	*6.5	*9.0	35	10	4	5.0	7.5	34	10	4	5.0	8.5	26	23	7	*5.0	*8.5
11	124	8	14	9.0	16.0	104	13	8	5.5	12.0	85	14	11	*7.5	*12.0	75	8	3	*5.0	*9.0	38	8	8	4.0	9.0	35	4	6	*3.5	*7.5	32	9	6	*5.0	*6.5	29	19	10	*4.5	*7.5
12	124	9	19	10.0	16.0	103	15	10	6.5	11.0	79	17	5	*8.0	*14.0	75	11	3	6.5	12.5	36	6	6	4.0	6.5	33	4	6	*6.0	*11.5	33	5	5	4.0	8.5	23	30	2	*2.5	*5.0
13	124	6	10	9.5	15.0	102	14	8	6.0	11.0	83	13	9	7.5	12.5	77	9	6	*5.0	*9.0	36	7	6	5.5	8.0	31	9	5	6.5	10.0	34	8	10	6.0	7.5	25	16	2	*3.0	*5.5
14	126	7	8	7.5	13.0	102	16	7	6.5	10.5	83	16	8	*9.0	*13.5	79	2	5	*10.0	*15.0	39	8	8	*10.5	*16.0	33	9	6	5.0	9.0	34	9	6	4.0	7.5	29	29	5	3.0	5.5
15	128	7	4	6.5	12.5	106	17	10	6.0	11.5	85	20	11	*7.0	*12.0	78	12	5	*8.5	*18.5	39	11	7	*4.5	*7.0	37	10	9	7.5	11.0	38	9	8	4.5	7.5	30	35	3	3.0	5.5
16	127	11	9	6.0	10.0	108	16	13	4.0	8.0	87	23	12	*8.0	*13.0	79	9	7	*7.0	*13.0	40	16	7	8.0	10.0	41	9	9	4.0	7.5	42	6	7	3.5	7.5	31	12	4	2.5	4.5
17	127	12	6	7.5	12.5	107	18	12	6.0	10.0	85	20	11	*8.0	*12.5	79	15	7	*8.0	*13.5	40	19	7	7.0	9.0	49	7	10	5.0	10.0	46	4	6	3.5	7.5	31	10	2	3.5	6.0
18	126	13	5	6.5	11.5	108	19	9	4.0	7.5	93	17	9	*6.0	*10.0	85	13	7	5.0	9.5	57	12	13	3.5	8.0	61	5	12	4.5	7.5	49	5	7	4.0	7.5	31	8	4	3.5	7.5
19	130	10	5	7.5	13.0	115	13	12	*6.0	*10.5	97	13	8	5.5	10.5	87	11	3	4.0	8.5	64	10	9	5.0	10.0	61	6	6	3.0	6.5	50	7	4	4.0	8.0	31	6	6	*3.0	*6.5
20	132	8	4	6.0	10.0	117	11	9	5.5	10.0	99	14	8	5.0	11.0	89	7	6	5.0	7.5	66	7	8	3.5	7.5	63	5	6	5.5	7.5	50	4	4	4.0	7.5	31	4	5	3.5	6.5
21	132	8	6	6.5	11.0	116	13	8	*5.0	*9.5	99	13	10	6.0	12.5	89	9	4	5.0	8.5	65	7	7	5.0	7.0	61	8	6	4.5	8.0	50	4	6	4.5	8.0	31	4	4	4.0	7.5
22	130	10	6	7.0	11.0	116	13	7	7.5	12.0	101	12	8	6.0	11.0	89	9	6	*5.0	*9.0	66	6	10	5.0	9.5	61	7	7	5.0	9.0	48	7	4	4.5	9.0	31	4	5	4.0	8.0
23	132	8	7	7.0	12.5	119	12	10	7.0	12.5	105	7	10	6.5	12.5	91	7	6	4.0	7.5	63	9	7	6.0	12.5	61	6	6	5.0	9.0	46	8	4	5.5	10.0	31	5	6	3.5	7.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month October 1959

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	134	8	3	6.0	11.5	109	5	8	6.0	12.5	108	4	8	5.0	10.0	91	5	7	2.5	6.5	66	6	6	5.0	10.0	60	4	2	4.0	7.5	48	6	4	4.5	8.0	32	6	6	3.0	6.0
01	136	6	5	7.0	12.5	107	7	8	5.5	12.0	108	4	8	5.0	11.0	91	4	7	4.5	8.0	66	6	10	4.5	9.0	60	4	10	4.5	10.0	46	8	2	5.0	9.0	32	6	5	2.5	5.5
02	134	8	5	6.0	13.0	110	4	9	5.5	12.0	106	5	7	5.0	10.0	91	4	7	5.5	10.5	65	7	10	5.5	10.0	58	6	9	*5.0	*10.0	48	6	4	4.5	8.5	30	8	6	3.5	6.0
03	136	6	5	7.5	13.5	108	6	9	5.5	12.5	106	4	9	6.0	10.5	89	6	7	5.5	11.0	64	7	9	5.0	10.0	58	5	10	2.5	6.5	46	7	2	4.5	9.0	26	6	4	2.5	5.0
04	136	6	8	6.5	12.0	106	7	5	7.0	13.0	104	6	6	5.5	11.0	87	6	4	6.5	12.5	64	7	10	4.5	9.0	58	5	9	3.5	8.0	44	8	2	5.5	9.0	24	8	2	1.5	3.5
05	134	7	9	7.5	14.0	100	13	15	*4.0	*9.5	88	16	12			65	16	8	*3.0	*6.0	63	6	12	4.5	8.0	58	5	11	4.0	9.0	46	8	3	4.0	8.0	24	16	2	*1.5	*4.0
06	126	6	8	10.0	17.5	87	9	8	4.5	10.0	70	17	7	*2.5	*7.5	81	10	10	*4.0	*8.0	48	6	10	4.5	10.0	48	5	10	4.5	7.5	44	4	5	4.5	9.0	26	22	2	2.5	5.0
07	124	6	10	8.5	17.5	87	9	8	4.5	9.5	78	15	6	*3.0	*8.0	73	10	9	*6.0	*10.0	39	11	9	5.0	8.5	40	7	8	5.5	9.0	40	6	5	5.0	8.5	20	27	4	2.5	5.5
08	121	8	5	8.0	15.0	85	11	4	*6.0	*10.0	80	6	6	*3.5	*7.5	76	7	11			34	5	4	*5.0	*6.5	34	7	5	6.5	10.5	40	4	9	*4.0	*7.0	24	21	4	*2.5	*5.0
09	121	9	6	*10.0	*19.5	87	8	9	*5.0	*10.0	80	5	5	4.0	8.0	77	8	6			32	5	4	*8.0	*10.0	32	5	5	*5.5	*8.0	34	8	6	5.0	8.0	24	23	4	4.0	5.5
10	124	6	10	11.0	18.0	87	7	7	5.0	9.5	78	4	7	*3.5	*8.5	77	7	10	*6.5	*12.0	32	6	4	5.0	7.0	30	2	4	*8.5	*8.5	32	5	4	5.0	7.5	24	28	4	5.0	8.0
11	126	4	10	10.0	17.0	85	4	4	6.0	10.0	76	18	6	3.5	8.0	75	8	8	*2.5	*7.5	30	5	2	3.0	5.0	26	6	2	5.0	7.5	30	6	6	5.5	10.0	24	23	4	4.0	6.0
12	128	6	9	9.5	15.5	87	13	5	6.5	11.0	76	21	6	4.0	8.0	77	10	9	*10.0	*16.0	30	12	2	3.5	5.0	26	8	4	*6.0	*7.5	30	9	5	5.0	9.0	24	24	4	3.5	6.5
13	128	9	6	7.5	13.5	85	19	2	6.0	10.0	80	21	9	8.0	8.0	75	17	6	*10.5	*16.0	32	11	4	*7.0	*9.0	28	8	4	7.5	10.0	34	10	6	5.5	8.0	27	18	3	*3.0	*6.0
14	132	9	4	7.0	12.0	91	18	6	6.0	10.0	84	32	8	7.5	12.0	81	20	6	*7.0	*12.0	36	29	6	*6.5	9.0	32	14	6	6.5	8.0	36	10	6	4.5	7.5	30	12	4	*3.5	*6.0
15	136	11	8	7.0	12.5	99	18	14	*4.5	*8.5	92	26	16	*8.5	*13.0	81	22	8	*6.0	*14.0	38	34	8	*5.0	*7.0	36	24	8	4.0	6.0	42	4	8	5.0	8.0	30	18	4	3.0	5.0
16	134	13	6	6.0	10.0	95	16	12	7.0	12.0	88	29	9	*9.5	*17.5	85	15	14	*9.0	*14.0	40	29	10	6.5	9.0	44	10	11	5.5	8.0	46	2	6	4.5	7.5	32	10	2	3.5	5.5
17	134	12	10	7.0	12.8	95	16	14	5.5	10.0	88	28	11	7.0	12.5	85	16	12	*8.0	*16.0	46	25	12	7.0	8.5	50	7	7	5.0	8.0	48	6	4	3.5	6.5	32	4	4	3.5	6.0
18	134	12	10	6.5	12.5	99	15	16	7.0	12.5	96	17	11	5.5	10.0	87	10	8	*9.0	*7.5	56	12	9	4.0	7.5	60	3	11	3.0	5.5	48	4	4	3.5	6.5	30	6	3	3.5	6.0
19	136	11	6	6.5	11.0	103	12	7	4.5	10.0	104	10	9	5.5	10.0	89	8	7	4.5	9.0	66	6	10	4.0	7.5	62	4	4	3.5	7.0	48	9	2	4.0	7.5	30	6	6	3.5	5.5
20	136	9	8	6.0	11.0	103	10	8	4.5	9.5	106	5	12	5.0	10.5	89	8	5	4.5	8.0	68	3	12	4.0	7.0	62	4	4	4.5	7.5	48	8	4	3.5	6.5	30	8	4	2.5	5.0
21	136	9	6	6.0	11.5	103	10	4	5.0	10.5	106	10	9	5.0	10.0	91	6	6	4.5	9.0	68	4	9	4.0	7.5	60	7	5	4.0	7.5	46	8	2	*4.0	*7.5	30	8	3	2.5	5.0
22	136	6	7	5.5	10.0	105	7	6	5.0	10.0	107	7	9	5.0	10.0	91	7	5	4.5	8.5	68	4	11	4.5	8.5	62	5	7	*4.0	*7.5	48	7	4	*4.0	*8.0	30	7	2	3.5	6.0
23	136	6	6	6.0	10.0	107	6	11	4.0	8.0	108	6	6	5.5	11.0	91	5	4	4.5	8.5	68	5	9	5.0	9.0	62	4	13	*3.5	*7.5	48	8	2	*4.0	*8.5	32	5	4	3.5	6.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month November 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	130	11	6			116	9	8			99	9	2			86	4	7			55	8	2	*4.5	*12.0	50	8	2	5.0	10.0	44	5	3	4.0	9.0	28	8	3	3.0	7.0
01	132	8	9			114	10	10			97	9	4			84	6	6			54	10	0	*5.0	*10.0	48	9	0	*5.0	*10.0	44	4	3	4.5	10.0	29	6	5	3.0	7.0
02	132	8	8			112	12	5			97	10	8			80	9	4			54	4	1	*5.0	*11.5	48	11	0	*5.0	*10.0	44	3	3	5.0	10.0	29	5	5	2.5	6.5
03	131	8	7			112	11	7			95	8	6			80	10	4			54	11	2	*5.0	*11.5	48	10	0	*4.0	*10.5	44	4	3	3.5	10.0	29	6	2	3.0	7.0
04	130	8	10			110	4	7			92	13	6			78	10	8			54	3	5	5.5	10.0	48	10	0	*3.5	*9.0	44	4	3	4.0	8.5	26	8	4	2.5	6.0
05	125	8	6			98	10	6			71	10	6			*58					52	8	5	5.5	11.5	48	9	5	4.5	9.0	44	2	4	2.5	7.5	26	8	3	2.0	6.5
06	119	11	8			94	13	5			73	13	8			76	10	10			39	9	8	5.5	10.0	40	7	7	*5.0	*11.0	42	3	7	4.0	9.0	24	6	2	2.5	7.0
07	117	12	6			96	12	7			75	6	8			72	12	12			30	9	3	2.5	6.0	36	7	7	*4.5	*10.0	37	4	6	4.0	7.5	24	5	5	*3.0	*7.0
08	114	14	2			96	12	6			*78					*73					36	4	6	5.0	8.0	32	6	5	*5.0	*11.5	*33			*5.0	*10.0	*24			*2.5	*7.5
09	*116					*99					*80					*78					35	3	5	*3.0	*6.5	*31			*9.0	*13.0	*30			5.0	7.5	20	6	2	1.5	5.5
10	*120					96	12	8			*79					78	6	8			36	4	6	5.0	11.0	30	10	6	*10.0	*15.0	30	6	6	*5.0	*9.5	21	5	3	2.0	6.0
11	126	8	12			99	13	5			77	8	7			76	6	8			34	6	4	7.0	7.5	28	14	4	6.0	11.0	29	6	5	4.5	8.0	22	7	5	2.5	7.0
12	128	8	9			106	12	8			80	16	8			80	6	14			34	6	6	5.5	8.5	28	13	6	7.5	12.0	32	5	4	4.0	7.5	24	6	5	2.5	6.0
13	130	10	4			108	10	10			81	18	10			80	10	10			34	14	6	7.0	15.0	32	9	8	7.5	10.0	32	8	4	4.0	8.0	26	4	4	2.0	5.5
14	130	11	1			110	11	9			82	32	3			80	22	8			36	14	6	6.5	14.5	30	14	6	6.5	12.5	36	7	4	3.5	8.0	28	8	4	2.5	7.0
15	134	12	6			112	27	8			86	31	8			84	19	8			38	28	8	5.0	10.0	34	15	6	7.0	10.0	40	5	4	3.5	8.0	30	6	5	2.0	6.5
16	134	10	4			110	18	10			86	33	7			86	18	10			36	30	7	6.0	10.0	40	10	7	5.0	10.5	43	5	4	3.5	8.5	30	7	3	2.5	7.0
17	132	10	4			112	17	14			88	29	11			77	27	7			39	21	7	4.0	10.0	47	9	4	*4.5	*10.0	44	7	2	*3.0	*7.5	32	3	5	2.5	6.0
18	134	8	8			111	20	12			89	21	7			80	9	1			52	14	8	4.5	11.0	52	6	6	*3.0	*8.0	46	13	2	2.5	7.5	30	7	2	3.5	8.5
19	134	6	6			114	9	5			97	7	7			87	5	10			57	9	3	*3.0	*8.5	*59			2.5	7.5	44	15	0	*2.0	*7.5	28	5	3	3.5	7.5
20	133	5	5			115	8	5			99	7	5			86	7	5			64	2	8	2.5	7.5	62	2	12	2.5	7.5	46	4	2	*2.5	*7.0	29	5	3	2.5	7.0
21	134	7	7			118	7	6			101	5	5			88	4	3			*56			3.0	7.5	58	4	6	2.5	7.5	44	5	0	*3.0	*7.5	30	4	4	2.5	6.5
22	134	7	4			118	7	5			101	5	3			90	3	6			58	6	4	4.0	10.0	58	2	10	3.0	8.5	46	2	2	*2.5	*8.0	30	4	4	2.5	7.0
23	134	8	3			116	10	7			101	8	6			86	7	8			58	7	4	*4.0	*9.5	58	2	9	*2.5	*7.0	44	9	1	3.0	7.5	30	5	7	3.0	6.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month September 19 59

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	5	2			142	5	3			121	6	3			95	6	5			65	2	10			58	6	2			47	2	1			29	4	2		
01	160	5	2			142	4	4			121	4	4			93	7	4			63	4	6			58	4	2			47	4	2			29	2	2		
02	160	4	2			142	4	4			121	4	7			93	8	6			65	4	8			60	4	4			47	2	3			29	2	3		
03	162	4	4			142	5	4			121	7	6			93	8	6			65	6	7			60	3	4			45	4	2			27	2	2		
04	162	4	3			142	4	4			121	4	6			93	7	7			67	3	7			60	2	4			45	4	6			25	4	0		
05	162	4	4			142	4	4			119	5	8			87	10	8			66	4	10			58	4	4			45	6	6			25	5	0		
06	160	5	2			138	6	7			114	9	16			83	17	20			57	5	12			54	4	7			47	2	4			27	3	2		
07	160	4	4			136	8	10			110	15	13			77	23	15			45	9	12			44	8	12			41	4	4			27	4	2		
08	160	6	4			135	10	8			107	8	8			82	20	16			37	14	7			32	14	6			37	4	6			25	5	2		
09	158	8	3			132	10	5			103	17	6			71	21	10			31	15	6			32	12	6			34	5	7			25	10	2		
10	160	6	6			134	7	7			103	18	10			73	26	14			35	18	6			30	18	4			34	4	8			25	3	2		
11	158	6	5			134	8	6			107	20	12			83	26	16			33	25	6			29	17	5			31	12	4			25	8	2		
12	160	4	4			135	9	5			113	10	13			89	10	17			37	31	9			30	20	8			31	9	3			27	4	2		
13	162	4	3			138	8	5			119	8	14			93	16	13			43	20	14			42	14	18			35	9	4			29	9	3		
14	164	4	6			142	6	8			119	10	10			97	11	15			51	20	20			46	12	14			35	10	4			30	7	3		
15	164	4	4			144	4	8			121	4	11			97	8	14			55	16	20			46	12	7			41	5	3			30	7	3		
16	164	3	2			142	6	6			119	5	9			97	5	13			56	9	9			48	6	4			43	4	2			31	3	3		
17	162	4	2			140	6	6			115	7	5			91	9	6			57	6	8			52	4	4			49	4	4			29	4	1		
18	162	3	5			142	4	5			121	4	5			97	4	6			63	4	4			62	3	4			53	6	4			27	2	2		
19	162	2	4			142	3	4			121	4	3			95	7	4			67	4	4			62	3	3			53	8	4			27	2	2		
20	160	4	2			142	4	4			121	5	4			95	6	4			67	4	6			62	4	2			53	8	4			29	4	2		
21	160	4	2			142	5	4			121	7	4			97	5	8			65	6	6			62	4	2			53	6	4			31	8	2		
22	161	3	3			142	4	4			122	5	4			97	5	8			65	6	8			58	4	3			49	9	1			31	8	2		
23	162	2	4			142	4	3			121	6	4			95	7	5			64	4	5			58	4	2			49	2	2			33	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month October 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	4	4			141	6	4			119	6	6			93	4	6			65	4	4			60	2	5			49	2	2			28	2	4		
01	*163					141	4	2			119	8	8			94	5	7			67	4	4			61	3	3			49	2	4			28	2	3		
02	162	5	3			141	4	6			118	9	5			94	9	5			67	4	4			60	4	3			47	2	4			26	4	2		
03	*162					141	6	4			121	4	8			95	6	6			67	4	4			62	2	2			47	2	4			26	4	3		
04	163	4	4			140	7	5			119	6	6			94	7	7			67	4	4			59	4	4			46	3	5			24	2	2		
05	*162					139	6	6			115	8	10			85	13	11			65	4	6			59	3	4			44	3	5			24	2	1		
06	160	5	7			135	6	8			107	18	12			81	16	18			57	8	7			52	10	4			45	4	4			25	4	2		
07	*158					129	14	5			103	21	14			77	26	14			47	12	8			46	6	8			41	4	4			26	12	2		
08	*159					129	17	4			103	22	6			75	26	15			35	20	6			36	13	6			35	8	4			24	6	2		
09	*158					129	16	2			105	25	12			79	26	22			33	24	8			36	10	10			33	18	8			24	6	2		
10	*159					131	16	6			105	25	11			81	29	15			42	26	15			36	16	10			31	23	6			24	10	2		
11	*158					134	18	9			113	22	14			90	22	20			33	32	6			30	21	8			31	16	3			24	11	2		
12	162	8	8			137	16	9			115	18	16			95	12	18			44	28	12			37	27	14			34	16	6			30	6	7		
13	*163					140	11	11			120	13	15			101	11	19			49	30	20			41	24	13			37	16	6			28	10	4		
14	168	3	9			143	10	8			123	8	12			99	12	14			53	24	20			48	16	16			42	9	7			28	10	4		
15	*166					142	7	7			122	7	11			97	6	12			55	16	16			45	11	7			43	4	4			28	6	2		
16	166	2	5			143	4	6			119	8	9			93	6	9			55	10	12			50	7	6			45	4	2			28	5	2		
17	*164					142	3	7			119	2	8			93	6	6			55	6	6			54	4	5			49	2	4			28	6	2		
18	164	2	6			143	2	4			121	4	4			97	4	6			63	4	4			60	5	2			49	4	2			24	2	2		
19	*162					141	4	2			121	4	4			95	6	4			65	4	4			62	4	4			49	8	4			26	4	2		
20	163	4	5			143	4	6			121	4	6			95	6	4			65	4	6			60	5	2			49	4	2			30	4	4		
21	*163					143	4	6			119	6	6			95	6	6			65	4	4			62	12	4			51	6	4			31	8	3		
22	163	3	4			141	4	4			119	6	4			93	6	4			65	2	6			60	4	4			51	2	2			30	8	2		
23	*162					141	4	4			119	4	4			93	4	6			65	4	4			60	3	4			49	5	4			28	8	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month November 1959

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	2	4			141	4	5			118	8	4			92	10	5			63	5	2			58	4	2			49	4	4			30	1	4		
01	161	5	.3			141	6	4			118	9	4			92	9	4			65	5	5			60	4	4			49	3	4			29	2	5		
02	162	6	4			141	7	4			120	7	5			92	4	2			66	4	4			60	3	4			49	6	4			28	4	3		
03	162	4	4			141	7	6			118	10	5			92	12	4			65	7	4			60	4	2			48	6	5			27	3	3		
04	161	5	3			139	7	5			117	8	5			90	10	7			64	7	6			60	4	4			47	3	5			25	3	2		
05	160	6	4			137	8	6			112	10	10			79	20	9			62	9	13			56	5	3			45	8	4			25	3	2		
06	160	4	6			133	8	6			106	18	18			76	22	16			51	8	14			48	6	6			43	3	4			27	4	3		
07	158	6	4			131	11	9			106	14	16			72	21	12			37	18	10			38	11	7			37	6	4			27	5	4		
08	158	6	5			133	8	10			102	19	12			76	18	16			34	18	7			34	11	8			35	6	6			27	3	5		
09	158	4	6			131	8	10			100	15	12			76	11	16			31	14	6			32	6	8			30	6	5			25	9	2		
10	*156					130	6	4			104	16	15			70	23	12			35	11	6			30	10	7			29	8	6			23	6	1		
11	158	5	5			133	8	6			110	12	16			83	18	15			31	21	4			28	17	8			29	8	7			25	7	1		
12	160	5	4			137	8	8			116	11	14			92	10	16			40	20	12			34	14	14			33	9	6			28	9	4		
13	162	8	4			139	10	8			119	10	12			90	21	10			43	24	13			40	22	14			35	4	6			27	14	3		
14	164	6	4			139	17	4			120	16	12			98	18	14			51	20	14			42	29	14			39	13	6			30	15	4		
15	164	12	4			141	16	7			118	17	12			94	17	13			53	32	20			44	26	10			41	17	2			29	9	2		
16	162	8	4			143	6	6			118	8	10			93	12	7			51	24	14			46	12	4			45	4	4			30	6	4		
17	162	4	4			143	4	6			118	8	8			94	8	7			53	16	6			54	13	4			49	1	4			30	3	4		
18	160	6	2			141	5	4			118	6	3			96	5	6			61	4	6			62	10	6			47	2	2			26	3	2		
19	162	4	6			141	6	4			118	6	3			94	6	6			63	4	5			62	6	4			47	2	2			26	3	2		
20	162	2	4			141	6	5			118	5	4			94	4	6			63	4	6			62	7	5			48	3	3			28	4	2		
21	160	6	2			141	3	5			118	4	4			94	5	4			63	2	5			62	12	4			49	4	2			30	4	2		
22	160	4	2			141	3	6			118	4	4			94	5	7			63	4	7			58	4	4			49	7	2			31	4	3		
23	160	6	2			139	5	2			120	4	6			94	4	6			63	4	8			59	4	3			49	3	3			30	2	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month September 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*
00	121	3	3	3.5	3.5	103	0	2	5.0	10.5	84			11.0	12.0	68					76	3	8			55	1	2	4.0	10.0	28	10	5	3.0	7.5	21			3.0	9.0
01	120	4	0	2.5	3.0	103	0	2	11.0	13.0	83			5.0	5.0	67			6.0	7.0	76	4	8	4.5	9.5	57	4	5	4.0	7.0	28	9	4	4.5	10.5	22			10.0	17.0
02	120	4	2	3.0	3.5	103	2	4	8.5	10.5	83			11.0	15.0	68			6.5	7.5	75	4	6	4.5	10.0	57	5	7	7.0	13.0	28	8	6	2.0	8.0	22			9.0	17.0
03	120	4	0	4.5	4.5	103	2	4	7.0	12.0	79			4.5	5.0	68			6.0	7.0	76	2	8	4.5	10.5	57	5	5	7.0	13.5	28	10	4	4.0	10.0	23			8.0	16.5
04	120	4	0			101	4	2	11.0	13.0	80			11.0	12.0	68			7.0	8.5	76	4	8	4.5	10.0	58	5	8	5.0	10.0	28	9	5	4.0	8.5	22			4.5	11.0
05	121	3	3			101	4	2	17.5	18.0	79			5.0	6.0	69			6.5	7.0	76	4	7	4.5	10.0	58	6	5	4.5	10.5	30	7	6	4.5	10.5	22			4.5	10.0
06	121	3	3			103	4	4	11.0	13.0	81					69			5.0	5.5	76	3	7	5.0	10.5	60	7	7	4.5	10.0	30	6	6	4.5	10.5	20			6.5	13.5
07	*120					*103					80					66					*76			5.5	12.0	*57			5.5	11.0	*32			6.0	12.0	23			5.0	12.0
08	*120					*103					79					66					*76			5.5	11.0	*57			4.5	10.5	*30			4.5	11.0	21			5.0	11.0
09	*121					*103					79					68					*72			5.0	11.0	*55			4.5	10.5	26	10	4	4.5	10.5	20			4.5	10.5
10	120	4	2			101	2	2			79					67					74	6	6	4.5	10.5	55	6	6	4.5	10.0	28	7	6	4.5	10.0	24			4.0	10.0
11	120	4	2			*101					79					66					74	6	6	4.0	10.5	57	8	8	4.0	10.5	30	5	4	4.0	10.0	25			4.5	10.0
12	*120					*101					80					66					*76			4.5	10.5	*57			4.5	10.0	*32			4.5	9.0	22			4.0	10.0
13	*120					*103					80					66					74	8	4	4.5	10.5	57			4.5	10.5	*30			4.0	10.0	21			4.5	10.0
14	*120					*101					79			3.5	11.5	67					*75			4.0	10.0	57			4.5	10.5	30	5	6	5.0	10.5	20			4.0	10.5
15	120	4	2	7.0	7.0	101	6	2	5.5	7.0	79			11.0	15.0	64					74	7	5	3.5	9.5	57	2	6	4.5	10.0	28	7	6	4.0	8.0	21			4.5	10.0
16	120	3	2	4.0	5.0	103	4	4			81			9.0	13.0	68			8.5	20.0	76	5	6	4.5	10.5	*55			5.5	11.5	30	6	6	5.0	10.0	24			5.5	11.0
17	120	0	2	4.0	7.0	*102			4.5	4.5	77					65			8.5	9.5	75	4	6	4.5	10.0	57	7	4	5.0	11.0	30	6	6	5.0	11.0	22			4.0	10.0
18	120	4	2	4.0	4.0	*101			7.0	8.0	79					67			5.5	6.0	76	4	8	4.5	10.5	*56			7.0	12.0	*29			4.0	10.0	22			3.5	10.0
19	120	2	2	5.5	6.0	103	2	4	7.0	8.0	81			16.5	18.0	68			8.5	9.5	74	5	6	4.0	10.0	55	6	4	4.0	8.5	31	6	7	4.0	10.0	22			3.0	9.5
20	120	2	0	2.5	3.0	*103			10.5	11.5	83			13.5	15.5	66			8.5	9.5	76	4	6	3.0	9.0	*59			4.0	10.0	*28			4.5	8.0	21			5.0	10.5
21	122	2	4	3.0	5.5	103	2	4	14.0	15.0	80			9.5	20.0	66			7.0	7.5	76	6	8	4.5	10.0	57	4	6	3.0	8.5	28	12	6	4.5	10.0	22			4.5	10.0
22	122	2	2	3.0	4.0	103	2	4	8.5	11.5	79					66			6.0	7.0	76	4	8	4.5	10.0	57	6	4	4.5	10.0	28	8	4	5.0	8.0	22			4.0	9.5
23	*122			4.5	4.5	103	2	2	5.5	6.0	81					68			3.5	6.0	76	2	8	4.0	10.0	57	6	4	4.5	10.5	26	12	2	4.0	8.0	22			4.5	11.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Fall (Sept. Oct. Nov.) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	142	7	5	11.0	19.0	140	8	7	13.5	21.5	135	11	10	15.5	25.0	140	12	8	12.5	20.0	140	6	7	11.0	17.5	141	5	6	10.0	17.5
.113	130	7	6	9.0	14.5	126	9	11	13.0	21.0	119	14	16	15.5	24.5	126	14	14	15.0	22.0	125	9	9	12.0	18.0	127	6	5	8.0	14.0
.246	114	6	6	8.5	15.0	108	10	13	14.0	>23.5	92	19	14	13.0	24.0	110	16	15	13.0	23.0	108	11	8	10.0	17.5	112	6	4	7.5	13.5
2.5	68	5	6	6.0	11.5	62	7	9	9.0	15.0	38	23	13	9.5	16.0	47	29	12	11.0	11.5	56	10	10	8.5	14.5	66	5	6	6.0	11.0
5	70	3	6	5.5	10.0	54	6	6	7.5	13.0	34	17	12	9.5	15.0	40	25	14	10.0	16.5	54	6	7	6.0	10.0	60	4	5	5.0	8.5
10	43	4	4	5.0	8.5	40	5	5	5.5	9.0	31	9	9	9.5	15.5	34	13	8	9.0	14.5	44	5	4	5.5	9.0	45	3	4	5.0	8.5
* 20	26			4.0	6.0	27			4.5	7.0	25			4.5	7.0	29	8	5	5.0	8.0	21	4	2	4.0	6.5	28	5	2	4.0	6.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* September and November data only.

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Fall (Sept. Oct. Nov.) 19 59

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	129	7	4			124	7	7			120					119					125					130				
.113	115	8	4			104	11	6			99					100					110					114				
.246	98	10	6			85	14	8			81					84					92					98				
.495	86	8	4			66					60					62					71					84				
2.5	60					51					31					27					45					58				
5	55					47					28					26					43					51				
10	36					33					26					27					36					37				
20	24					25					28					31					31					25				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Fall (Sept. Oct. Nov.) 19 59

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	5	2	10.5	17.5	155	4	3	11.5	18.5	154	4	4	12.0	18.5	156	5	5	9.5	16.0	156	5	5	10.5	17.5	157	5	4	10.5	18.0
.051	131	7	5	9.5	17.0	124	8	6	11.0	18.5	118	8	8	12.0	20.0	122	8	9	9.0	16.5	127	8	7	8.5	15.5	131	8	5	8.5	15.5
.160	107	10	6	8.5	15.5	90	15	11	9.0	15.5	82	18	9	8.0	13.5	88	15	10	7.5	13.5	101	11	11	7.5	14.0	107	10	7	7.5	14.5
.495	85	11	6	7.5	13.5	68	12	5	4.5	8.0	63	10	5	4.0	7.0	66	12	7	3.0	6.0	76	13	9	4.5	9.5	86	10	6	6.0	11.0
2.5	60	8	5	4.5	8.5	52	6	5	4.0	7.5	47	3	7	2.0	4.0	62	5	9	1.5	3.5	54	8	5	3.0	6.0	54	8	5	3.5	7.5
5	56	6	5	4.0	8.0	48	6	5	4.0	7.5	39	3	7	2.0	4.0	38	5	10	2.0	4.0	50	7	4	3.0	6.0	55	6	4	4.0	7.5
10	45	5	5	4.0	7.0	41	6	4	3.5	6.0	32	7	5	2.5	5.0	35	7	8	3.0	6.0	47	4	4	3.5	6.5	47	3	5	3.5	7.0
20	26	2	2	2.0	3.5	28	2	2	2.0	3.5	30	3	3	2.0	4.0	33	4	3	2.0	4.5	32	4	3	2.0	4.5	26	2	3	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Spring (Sept. *** Nov.) 19 59

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	103	2	3			102	2	5			101	2	2			101	2	3			102	2	2			103	3	2		
.113	75	7	4			76	6	5			74	6	4			76	7	4			76	5	5			75	6	4		
.246	62	3	6			62	2	6			64	2	6			62	4	4			63	3	5			64	3	5		
.545	55	6	6			56	5	7			56	5	8			57	5	6			56	6	4			56	4	5		
2.5	21	3	2			21	3	2			20	4	2			22	4	2			22	3	3			22	5	2		
5	23	8	8			18	9	2			17	3	2			20	5	4			24	8	6			28	7	9		
10	21	8	6			18	6	8			15	4	4			19	3	4			24	5	7			25	7	8		
20	19	2	1			18	2	2			18	1	2			20	2	1			20	2	2			20	0	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No October data.

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Spring (Sept. Oct. Nov.) 19 59

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	4	3	7.5	12.5	155	3	4	9.5	15.5	152	6	3	11.5	18.5	155	5	3	10.5	17.5	156	6	3	8.5	15.0	156	4	3	8.0	13.5
.051	130	6	4	8.5	14.5	123	8	4	9.0	15.0	116	10	5	12.5	21.0	122	13	6	9.5	16.5	124	13	6	8.0	14.5	130	5	5	8.5	15.5
.160	105	8	6	7.5	14.5	88	17	11	9.5	17.0	76	28	14	12.0	20.5	86	25	14	9.5	17.0	97	18	12	8.5	16.5	105	8	7	7.5	14.5
.545	84	9	7	7.5	14.5	60	18	7	7.0	10.5	48	20	5	4.5	8.0	51	26	6	8.5	9.0	76	23	9	5.5	10.5	86	9	7	6.5	13.0
2.5	58	8	7	6.0	10.5	44	11	7	6.5	10.5	24	15	4	4.5	6.5	23	19	4	4.5	7.0	42	18	12	6.0	9.5	60	9	8	6.0	11.5
5	54	6	4	5.0	9.0	46	7	5	5.0	8.5	28	11	7	3.5	5.0	28	14	8	4.0	7.5	45	11	6	6.0	10.5	57	5	6	5.0	9.0
10	43	4	3	4.0	7.5	38	4	3	4.0	7.0	24	10	5	5.0	6.5	28	10	7	4.5	7.5	43	6	4	4.5	8.0	45	4	4	4.5	7.5
20	23	3	3	3.0	5.0	22	3	3	3.0	5.0	20	4	2	3.0	4.5	23	5	3	4.0	6.5	26	6	4	3.5	6.0	25	4	4	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Fall (Sept. Oct. Nov.) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128	4	6	8.0	12.5	114	4	6	9.5	14.5	105	8	7	11.5	17.5	106	8	7	10.0	15.0	112	6	6	8.5	13.0	117	6	5	8.0	12.5
** .246	79	5	6	6.5	11.5	84	7	17	7.5	12.0																				
.545	71	6	6	5.0	9.0	64	8	8	4.5	9.5	59	5	5	3.5	9.0	59	11	6	4.0	7.5	73	9	9	4.5	8.0	84	7	9	7.0	14.0
2.5	50			5.5	9.5	42			5.0	9.0	33			2.5	4.5	39	3	3	4.0	10.5	46	2	2	3.5	6.0	49			4.5	8.0
5	52			4.5	8.0	44			6.0	10.5	27			5.0	7.0	28	5	6	4.5	7.5	46	6	4	6.5	10.5	51			3.5	7.0
10	38	10	6	4.0	6.5	36	6	6	3.5	6.5	34			3.5	6.5	37	4	5	5.0	8.5	43	6	4	5.0	8.5	41	12	4	5.5	8.5
20	21	2	0	2.0	3.5	22	1	2	2.5	4.0	25	4	5	3.5	6.0	27	4	4	3.5	6.0	24	4	2	2.5	4.5	22	1	1	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

** Interference Kalungborg Broadcast station from 0800 through 2300.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Fall (Sept. Oct. Nov.) 1959

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	111	7	6			104	7	5			97	9	5			99	10	6			105	10	8			111	8	7		
.500	84	6	6			67	7	6			58	7	3			58	12	3			66	14	6			82	9	7		
2.5	62	8	7			51	6	6			29	3	4			29	8	2			46	11	6			61	7	7		
5	58	5	5			51	5	4			29	3	2			29	6	2			50	6	5			58	5	5		
10	43	4	4			39	4	4			34	3	3			35	5	3			45	4	4			45	3	4		
20	23	1	1			23	1	1			25	2	2			26	3	2			29	3	2			24	2	1		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Season Fall (Sept. Oct. Nov.) 1959

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	3	2	10.0	16.5	155	3	3	11.0	17.5	151	3	3	11.0	17.0	150	4	3	12.0	18.5	149	3	3	11.0	17.5	153	3	3	9.0	14.5
.051	131	4	4	10.5	16.5	129	4	3	11.5	18.5	111	9	7	13.0	19.0	110	8	6	14.5	19.5	110	9	7	10.0	15.0	123	8	4	10.0	15.5
.160	105	8	6	10.5	17.5	98	8	8	11.0	17.5	75	16	12	13.0	17.0	71	17	9	11.5	16.5	80	14	8	10.0	15.0	98	10	7	11.5	17.5
.495	84	8	9	11.5	19.5	74	11	10	9.5	15.5	54	13	6	5.0	7.5	53	11	5	4.5	8.5	62	14	7	5.5	8.5	78	12	8	10.5	17.0
2.5	56	6	7	7.5	12.5	53	7	7	6.5	11.0	34	6	5	3.5	5.5	31	5	3	3.0	5.0	38	8	6	4.0	7.0	54	7	7	7.0	12.0
5	62	6	6	5.5	10.0	50	6	4	5.0	8.5	29	5	6	4.0	8.5	27	5	4	4.5	7.0	42	6	6	7.5	6.5	61	4	4	5.0	9.5
10	41	4	4	3.0	5.5	38	4	4	3.0	6.0	28	4	5	5.5	9.5	24	5	5	5.5	9.0	39	3	3	5.0	7.0	43	2	3	3.0	5.5
20	23	2	1	1.5	3.5	22	2	1	1.5	3.5	21	2	2	3.0	5.5	21	2	2	3.0	5.0	26	2	3	3.0	5.5	25	2	2	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 40.5 E Season Fall (Sept. Oct. Nov.) 1959

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	3	2	9.5	15.0	153	3	4	10.5	17.0	151	4	3	14.0	20.0	152	3	3	11.0	18.0	153	5	2	9.0	14.5	156	2	3	9.5	15.0
.051	131	6	5	10.5	16.5	125	8	6	11.0	18.0	117	10	8	12.0	19.5	117	10	6	11.0	18.0	121	9	6	9.0	15.5	131	6	5	9.5	16.5
.160	110	7	7	9.0	15.0	95	17	10	10.0	15.5	86	20	11	9.5	12.5	83	20	9	7.0	10.5	94	14	8	8.0	14.0	108	7	8	8.0	14.0
.545	87	9	8	8.0	14.5	73	16	5	6.0	11.5	68	19	3	4.0	8.5	70	12	4	5.5	10.0	82	9	6	5.5	10.0	93	7	6	7.5	12.5
2.5	56	10	7	6.5	11.5	47	11	5	7.0	11.5	32	13	3	4.5	7.0	31	11	3	4.5	7.5	46	10	5	6.0	10.0	55	10	6	6.5	11.0
5	54	7	5	5.5	10.0	51	9	8	5.0	10.0	31	8	4	6.5	8.5	32	10	5	6.5	9.0	61	8	8	6.0	11.5	69	9	8	6.0	11.0
10	46	10	6	4.5	8.5	39	7	4	4.5	7.5	30	9	6	6.0	9.5	33	8	5	4.5	8.0	58	9	5	4.0	7.0	50	10	5	3.5	7.5
20	23	3	1	1.5	3.0	24	3	2	2.0	4.5	24	7	3	3.0	6.0	27	5	3	3.0	5.0	28	6	3	3.0	5.0	25	3	1	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Spring (Sept. Oct. Nov.) 19 59

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130	8	8			123	9	7			118	10	10			129	9	9			135	7	12			134	8	8		
.113	114	10	9			102	16	14			93	19	13			109	13	18			117	10	19			118	7	10		
.246	100	11	10			78	19	10			72	22	10			90	18	22			101	10	26			104	8	11		
.545	90	9	9			65	16	6			60	16	4			76	18	20			87	13	20			93	8	8		
2.5	62	6	11			48	10	7			38	6	4			46	14	5			57	11	13			64	8	8		
5	54	4	8			43	8	6			24	8	2			28	12	5			49	10	9			54	8	7		
10	42	4	5			37	6	7			24	11	4			31	10	7			49	7	5			44	6	5		
20	24	3	1			24	4	2			23	5	2			27	5	3			31	7	3			28	6	3		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Fall (*** Oct. Nov.) 1959

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	131	4	4			128	5	5			116	8	8			119	10	6			122	9	6			128	5	4		
.246	101	7	7			93	10	8			82	12	5			82	16	8			92	10	9			100	8	6		
.545	87	9	6			80	9	11			76	9	18			76	10	19			82	8	6			90	7	4		
2.5	61	6	8			57	9	10			32	13	4			33	9	8			50	10	7			60	8	7		
5	59	4	6			49	5	6			30	11	6			28	13	6			51	10	6			57	6	6		
10	47	3	6			44	4	5			37	7	8			38	8	9			49	6	5			49	4	5		
20	32	6	4			33	5	5			42	9	10			43	9	9			44	8	8			36	8	5		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No data for September.

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Spring (Sept. Oct. Nov.) 1959

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	133	7	7	7.0	13.0	127	8	9	8.0	14.5	122	9	10	10.0	18.0	129	9	7	8.0	14.0	132	11	7	6.5	11.5	134	8	6	6.0	11.0
.113	114	8	9	6.0	12.0	102	11	9	5.5	11.0	96	12	7	6.0	11.0	101	16	8	6.0	9.0	106	16	11	5.5	10.0	113	10	7	5.5	10.0
.246	103	11	11	6.0	11.5	84	12	9	6.0	12.0	80	10	9	6.0	11.0	82	16	8	7.5	11.5	92	21	9	7.0	12.0	103	8	8	5.5	11.0
.545	88	7	6	5.5	10.0	76	10	7	5.0	10.0	77	7	7	5.0	10.0	79	13	7	8.0	14.0	84	13	8	6.0	11.5	89	7	5	4.5	8.5
2.5	61	7	7	5.0	10.5	51	8	10	5.0	10.0	35	7	6	6.0	8.5	36	15	6	6.0	9.5	49	17	8	5.0	9.0	64	5	8	4.0	8.5
5	55	7	6	4.5	9.5	50	7	8	4.5	9.0	32	8	4	7.0	10.0	32	11	6	6.5	10.0	52	7	8	4.0	8.0	61	5	8	4.0	8.0
10	43	6	5	4.5	9.5	43	6	5	4.5	8.5	33	7	6	5.0	8.5	35	7	6	4.5	8.0	46	7	4	3.5	7.5	47	6	3	3.5	8.0
20	28	7	4	2.5	6.0	25	15	3	2.0	5.0	24	17	5	3.5	7.0	27	17	4	3.0	6.0	31	7	4	3.0	6.5	30	5	4	3.0	6.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Fall (Sept. Oct. Nov.) 1959

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	162	4	3			160	5	4			158	6	5			163	6	5			163	4	4			161	4	3		
.051	141	5	4			137	7	6			132	11	6			140	10	7			142	5	5			142	4	4		
.160	120	7	5			112	11	11			105	18	11			119	11	12			119	6	6			120	5	4		
.545	93	7	5			83	16	12			78	22	16			95	12	15			94	6	7			95	5	6		
2.5	65	4	5			57	8	9			34	20	7			48	24	16			59	8	7			64	4	6		
5	60	4	3			53	6	7			33	14	7			42	19	12			56	6	4			60	6	3		
10	48	3	3			44	4	5			32	10	6			37	10	5			48	4	3			50	5	3		
20	28	3	3			26	3	2			25	7	2			29	9	3			28	4	2			30	6	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Fall (Sept. *** ***) 19 59

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	120	3	1	3.5	3.5	120	3	2			120	4	2			120	4	2	7.0	7.0	120	2	2	4.5	5.5	122	2	2	3.0	4.0
.113	103	1	3	8.0	11.5	102	4	3	13.0	14.5	102	2	2			102	6	2	5.5	7.0	102	3	4	6.0	7.0	103	2	3	9.5	11.0
.246	82			8.0	9.0	80			8.0	9.0	79					80			7.0	13.0	80			16.5	18.0	81			11.5	18.0
.545	68			6.0	7.0	68			6.0	7.0	67					66					67			8.0	11.0	66			6.0	7.5
2.5	76	3	8	4.5	10.0	76	4	7	5.0	10.5	74	6	6	5.0	11.0	75	8	4	4.0	10.0	75	4	6	4.5	10.0	76	4	8	4.0	10.0
5	56	5	5	5.5	11.0	58	6	7	5.0	10.5	56	7	7	4.5	10.5	57	2	6	4.5	10.0	56	6	4	5.5	11.0	58	5	5	4.0	10.0
10	28	9	5	3.5	9.0	30	7	6	5.0	10.5	28	7	5	4.5	10.5	30	6	6	4.5	9.5	30	6	6	4.5	10.0	28	11	4	4.5	8.5
20	22			7.5	14.5	22			5.0	11.5	22			4.5	10.5	21			4.0	10.0	22			4.0	10.0	22			4.5	10.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No data for October and November.

USCOMM-NBS-BL

U.S. DEPARTMENT OF COMMERCE

Frederick H. Mueller, *Secretary*

NATIONAL BUREAU OF STANDARDS

A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

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Mechanics. Sound. Mechanical Instruments. Fluid Mechanics. Engineering Mechanics. Mass and Scale. Capacity, Density, and Fluid Meters. Combustion Controls.

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

Metallurgy. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics.

Mineral Products. Engineering Ceramics. Glass. Refractories. Enameled Metals. Constitution and Microstructure.

Building Technology. Structural Engineering. Fire Protection. Air Conditioning, Heating, and Refrigeration. Floor, Roof, and Wall Coverings. Codes and Safety Standards. Heat Transfer. Concreting Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics.

Data Processing Systems. SEAC Engineering Group. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Application Engineering.

• Office of Basic Instrumentation.

• Office of Weights and Measures.

BOULDER, COLORADO

Cryogenic Engineering. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Gas Liquefaction.

Radio Propagation Physics. Upper Atmosphere Research. Ionospheric Research. Regular Propagation Services. Sun-Earth Relationships. VHF Research. Radio Warning Services. Airglow and Aurora. Radio Astronomy and Arctic Propagation.

Radio Propagation Engineering. Data Reduction Instrumentation. Modulation Research. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation Obstacles Engineering. Radio-Meteorology. Lower Atmosphere Physics.

Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. High Frequency Impedance Standards. Electronic Calibration Center. Microwave Physics. Microwave Circuit Standards.

Radio Communication and Systems. Low Frequency and Very Low Frequency Research. High Frequency and Very High Frequency Research. Ultra High Frequency and Super High Frequency Research. Modulation Research. Antenna Research. Navigation Systems. Systems Analysis. Field Operations.


NBS